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ApeosPro

C810/C750/C650 with GP/GX Print Server

Customer Expectation Document
August 2024 – Version 1.9
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FUJIFILM

For more information or detailed product specification, please call or visit us at

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Contents

What Does This Document mean to Me?

The purpose of this document is to help you understand the performance, capabilities and recommended operating guidelines for the ApeosPro C810/750/650 Printer and to help you ensure that it is the right product for your business.

The specifications and data in this document are current at the time of publication and proprietary to FUJIFILM Business Innovation Australia Pty Ltd, also referred to in this document as FBAU. The customer should only circulate the document within their organization on a need-to-know basis & use all reasonable efforts to safeguard the document and to not disclose its contents to competitors of FUJIFILM Business Innovation Australia Pty Ltd or to other third parties.

This document may be periodically updated to incorporate changes in specifications and to correct any technical inaccuracies or typographic errors.

If you have any further questions after reading this document, please contact your FBAU sales representative who will be happy to assist you.

Safety Data Sheets

These documents can be obtained upon request by emailing the OH&S department at: OHSenquiries@fujifilm/fbau.com or by contacting the Customer Care Centre on 1 800 028 962, or via link on our external website: http://www.fujifilm.com/fbau/company/safety_data_sheets.jsp.

Compliance & Approvals

The approvals obtained in relation with environmental and safety considerations are as follows:

- International Energy Star Program.
- Electromagnetic Compatibility Framework – Supplier's Declaration of Conformity for C-tick Mark (Australia).
- IEC60950-1 CB TEST CERTIFICATE.

Monthly Print Volume Range

This product is designed for operation based on the following recommended monthly impressions:

	ApeosPro C810/750/650		
Recommended Minimum AMPV	10,000		
Recommended Maximum AMPV	80,000		
Duty Cycle	Up to 422,000		
Rated Print Speed	ApeosPro C810	ApeosPro C750	ApeosPro C650
	B/W: 81ppm Colour: 81ppm	B/W: 75ppm Colour: 75ppm	B/W: 65ppm Colour: 65ppm

Monthly Print Volume Range numbers quoted are A4 equivalent impressions - an A3/SRA3 sheet equals 2 x A4 equivalent impressions.

AMPV (Average Monthly Print Volume) Range: Working outside this range may affect machine performance. If the device consistently operates at a higher AMPV than the maximum stated, the customer should consider the purchase of multiple devices or a device with a higher print volume capacity.

Duty Cycle: If the device is occasionally used outside of the AMPV range, printing should not exceed the duty cycle limit. Duty cycle represents the rated print volume capacity of the device for a given month (printed on recommended stock and assuming 8hrs per day, 20 days per month usage). This volume is not expected to be sustained on a regular basis.

Rated Print Speed: Impressions printed per minute on A4 LEF stock, 80gsm.

The recommended maximum Black-only volume is 30% of total monthly volume.
All references to print volumes are based on using centerline paper.

Responsibility Matrix

The following table summarises customer and FBAU responsibilities relating to the product:

Action		Responsibility	
		Customer	FBAU
Installation Actions	Ensure adequate space and power to install device	✓	
	Confirm and maintain network integrity	✓	
	Unpack device components		✓
	Connect all system components and install device hardware		✓
	Install client software / device drivers on PC/workstations	✓*	
	Configure device to connect to the network		✓
	Acquire and install client workstation network hardware and software	✓	

Action		Responsibility	
		Customer	FBAU
	Initial operator training		✓
Ongoing Actions	Order and install specified Customer Replaceable Units (CRUs) according to machine instructions	✓	
	Order and install staple and dry ink cartridges according to machine instructions	✓	
	Remove, repair and re-install any failed components		✓**
	Provide Helpline support (Customer Care Centre)		✓**
	Provide spare parts		✓**
	Provide service		✓**
	Perform the task of system software upgrades		✓**
	Responsible for the cost of operating system software upgrades	✓***	
	Download any additional fonts to server	✓	
	Utilise tools mode to adjust machine setting (transfer, registration etc.) as required for particular jobs. Download any additional fonts to server	✓	
	Monitor and adjust calibration for colour matching of colour management system	✓	
	Install RIP utilities, printer description files, and print drivers on Client workstations	✓	
	Secure all system software	✓	
	Setup and administer clients	✓	

* FBAU will provide installation of RIP client software and drivers on one client PC & MAC, as part of the installation and training session. It is the responsibility of the Customer to disseminate Drivers and utilities to all other users.

** As per contractual requirements.

***FBAU responsibility does not cover third party operating system software upgrades, i.e. Microsoft Operating System & MAC OS.

Product Highlights

System/Product Configuration

Base Configuration

Base Configuration	
Printer	Printer with four main trays, Multi-sheet Inserter (MSI) / Bypass Tray (Tray 5) and Duplex Automatic Document Feeder (DADF) and Embedded Controller
User Interface (UI)	Full Colour 10.1 inch control panel with touch screen
Print Server (Mandatory)	Stand Alone GP/GX Print Server (Not shown)

Feeding Options	
Multi Sheet Inserter (MSI) / Bypass Tray (Tray 5) (comes standard with the printer) 	• 250 sheets capacity*1 • Sizes: up to 330 x 488mm (up to 1300mm for banner printing, only when directly attached to IOT. Maximum size is 660mm when installed on top of HCF B1-S or C3-DS). • Weights: 52-350gsm*2 banner printing
High Capacity Feeder B1 	• 2,000 sheets capacity*1 • Sizes: Max. A4, Min. JIS B5 • Weights: 52 to 220 gsm
High Capacity Feeder B1-S 	• 2,000 sheets*1 x 1 tray (w/ cabinet) • Sizes: up to 330 x 488mm • Weights: 52 to 300gsm*2
High Capacity Feeder C3-DS 	• 2,000 sheets*1 x2 trays • Sizes: up to 330 x 488mm • Weights: 52 to 350gsm*2
*1: Based on 80gsm paper *2: For optimal print results it is recommended to use FBAU recommended paper. Feeding and print quality performance depend on usage conditions and the desired performance may not be achieved with some media.	

Finishing Options	
IMPORTANT: Refer to Configuration Dependencies for information on configuration requirements for the finishing devices.	
Simple Catch Tray (SCT) 	Holds a maximum of 500 sheets (80gsm)
Offset Catch Tray (OCT) 	Holds a maximum of 500 sheets, with offset capability (80gsm)
Long Catch Tray (LCT) 	Holds a maximum of 300 sheets up to size 488mm, 100 sheets up to 729mm and 10 sheets up to 1300mm.
Transport Unit V2 	The Transport Unit V1 acts as a paper path from the printer to C4/C5 Finisher or C4/C5 Finisher with Booklet Maker
Folder Unit CD3 	This optional unit can perform C-Fold, Z-fold, and Z- Fold Half-Sheet (also called Engineering Z-Fold). • C4/C5 Finisher • C4/C5 Finisher with Booklet Maker

Finishing Options	
IMPORTANT: Refer to Configuration Dependencies for information on configuration requirements for the finishing devices.	
C4/C5 Finisher with/without 2/4H Punch 	500 sheets top tray, 3,000 sheets finisher tray. Performs stapling up to 50 sheets. 52-350gsm Options for the C4/C5 Finisher: • Folder Unit CD3
C4/C5 Finisher with Booklet Maker with/without 2/4H Punch 	500 sheets top tray, 1,500 sheets finisher tray, up to 20 sets booklet tray. Performs stapling up to 50 sheets. 52-350gsm Options for the C4/C5 Finisher with Booklet Maker: • Folder Unit CD3
Interface Decurler Module D1 	The Interface Decurler Module D1 acts as a paper path from the printer to the finishing device. The Interface Decurler Module D1 also cools and decurls paper as it exits the printer and before it enters the finishing device. The Interface Decurler Module D1 is required with any system configuration that has one or more finishing device, except the Offset Catch Tray (OCT), Simple Catch Tray (SCT), Long Catch Tray (LCT) and C4 Finisher series.
Inserter D1 	This optional unit can be used to insert sheets into jobs to be finished without having to go through the printer (e.g. pre-printed covers, etc.). The Inserter D1 can be added to these finishing devices: • Finisher D6 • Finisher D6 with Booklet Maker
Crease/Two-sided Trimmer D2 	This optional device can perform a two-sided trim to the top and bottom, added with creasing functionality. The crease can be applied to plain paper to assist folding or booklet to achieve smooth spine finish. Also, the integrated buffer assembly improves the productivity of booklets when producing multiple copies. The Crease/Two-sided Trimmer D2 can be added to these finishing devices: • Finisher D6 • Finisher D6 with Booklet Maker
Folder Unit CD2 	This optional unit can perform C-Fold, Z-Fold, and Z-Fold Half-Sheet (also called Engineering Z-Fold). The Folder Unit CD2 can be added to these finishing devices: • Finisher D6 with/without booklet maker
Finisher D6 	The Finisher D6 features include a stapler, 2/4 Punch, the stacker tray and top exit tray. Options for the Finisher D6: • Inserter D1 • Folder Unit CD2

Finishing Options	
IMPORTANT: Refer to Configuration Dependencies for information on configuration requirements for the finishing devices.	
	• Punch Module 2/3
Finisher D6 with Booklet Maker 	The Finisher D6 with Booklet Maker features include a stapler, 2/4 Punch, the stacker tray, top exit tray and a booklet unit capable of saddle stapling and bi-fold. Options for the Finisher D6 with Booklet Maker: • Inserter D1 • Folder Unit CD2 • Punch Module 2/3 • Square Back Fold Trimmer D1
High Capacity Stacker A1 	The HCS is designed for long production runs. Punch Module 2/3 can be added to these finishing devices: • 500 sheet top tray (52-350gsm) • 5000 sheet stacker tray (52-300gsm)
Punch Module 2/4 (included standard) Punch Module 2/3	This optional module can perform a basic in-line punch function. The Punch Module 2/3 can be added to these finishing devices: • Finisher D6 • Finisher D6 with Booklet Maker
Banner Print Extension Kit	Extension tray for Top/Output Tray on Finisher D6, Finisher D6 with Booklet Maker to stabilize stacking up to 739 mm banner print.
Finisher Tray Extension Kit	Extension tray for Stacker/Finisher Tray on Finisher D6, Finisher D6 with Booklet Maker to stabilize stacking up to 660 mm.
Square Back Fold® Trimmer Module D1 	This optional device is available only with the Finisher D6 with Booklet Maker. The Square Back Fold Trimmer D1 flattens the spine of the booklet and trims the face of the booklet.

Configuration Dependencies	
The following dependencies are required for all or certain configurations:	
Interface Decurler Module D1	The Interface Decurler Module D1 is required with any system configuration that has one or more finishing devices, except Offset Catch Tray (OCT), Simple Catch Tray (SCT), Long Catch Tray (LCT) and C4 Finisher configurations.
Inserter D1	These devices require the Interface Decurler Module (D1) and another finishing device, such as the Finisher D6, Finisher D6 with Booklet Maker
Crease/Two-sided Trimmer D2 Folder Unit CD2 Punch Module 2/4 and Punch Module 2/3	These devices require the Interface Decurler Module D1 and the Finisher D6 or Finisher D6 with Booklet Maker

Configuration Dependencies	
The following dependencies are required for all or certain configurations:	
High Capacity Stacker A1	This device requires the Interface Decurler Module D1
Square Back Fold Trimmer D1	This device requires the Interface Decurler Module D1 and the Finisher D6 with Booklet Maker and is not available with any other finishing device.

Product Specifications

Recommended paper (otherwise referred to as Centerline Paper) to maximize image quality and product reliability is shown below. This paper is specifically designed to maximize image quality and machine performance over a wide range of environmental conditions. Unless otherwise specified, all references to performance and media capacity in this document are based on these substrates.

Media Type	ApeosPro C810/750/650 Printer Recommended Paper
Uncoated paper	FujiFilm Digital Uncoated PRO 90gsm

Note: When papers are used other than Standard papers, the original performance may not be achieved. The capacity of Printer's paper trays / Stacker may be reduced or the paper capability and image quality affected.

Depending on the paper lot and the paper storage environment, the original running performance and image quality performance may not be attained. Keep the paper away from high temperatures and humidity.

Device Specifications

Dimensions and Weights				
Configuration	Width	Depth	Height	Weight
Base Configuration	1,099 mm*[1]	793 mm*[2]	1,154 mm	246kg*[2]

*[1] with MSI extended (780 mm with MSI closed)
*[2] excludes Print Server

For a detailed configurations table refer to the Installation Planning section.

Operating Environment

Operating Environment	ApeosPro C810/750/650 Printer
Required Temperature Range	10°– 32° C
Required Relative Humidity	15% – 85% RH
Altitude (above sea level)	Max. of 2,000 meters

For detailed information, refer to Environmental Requirements for the Printer.

Electrical Requirements

Electrical	ApeosPro C810/750/650 Printer
Main IOT Printer (excluding accessories)	AC220-240 V +/- 10%, 10 A, 50/60 Hz common

Feature Specifications

Basic Specifications / Print Function		ApeosPro C810/750/650 Printer
Colour Capability		Full Colour
Printing Resolution		2400 x 2400 dpi
Warm-up time		[Embedded Plug-ins / Custom Services] *1 When enabled: 36 seconds or less (23 degrees Celsius room temperature) When disabled: 30 seconds or less (23 degrees Celsius room temperature)
Max. Assured Printable Area		317 x 480 mm (Print) Banner sheets: 323mm x 1292 *6 297 x 432 mm (Copy)
Continuous Print Speed*2	**A4**	C810: 81 ppm C750: 75 ppm C650: 65 ppm
	A3	C810: 42 ppm C750: 37 ppm C650: 34 ppm
Paper Size*3	**Tray 1 & 2**	Standard Size: Max A3, Min A5 Custom Size: 100 x 148 mm to 330 x 488 mm
	Tray 3 & 4	Standard Size: Max A4, Min JIS B5
	Bypass Tray	Standard Size: Max A3, Min A6 Custom Size: Min 100 x 148 mm to Max 330 x 1300 mm
Paper Weight*4	**Tray 1, 2, 3, 4**	52 to 300 gsm
	Bypass Tray	52 to 350 gsm (Banner Printing 52 to 220 gsm uncoated paper, 106 to 220gsm coated paper)
Paper Tray Capacity*5	**Standard**	520 sheets x 2 -tray + 840 sheets + 1230 sheets + Bypass Tray 250 sheets
	Optional	HCF B1: 2000 sheets x 1 -tray High Capacity Feeder B1-S : 2000 sheets x 1 -tray High Capacity Feeder C3-DS : 2000 sheets x 2 -tray
	Max	7360 sheets [Standard + High Capacity Feeder C3-DS]
Output Tray Capacity (Offset Catch Tray)*4		500 sheets (80 gsm)

*1Embedded Plug-ins / Custom Services are enabled as factory default. You can change the settings if needed.

*2 When continuously printing a single document. 52 to 128 gsm, uncoated paper. The print speed may be reduced depending on conditions of output data, or whether auto image quality adjustment is performed, or whether the job includes a mixture of paper sizes and types, and other reasons.

***3** Image loss width: Lead edge 4.0 mm, Trail edge 4.0 mm, Front 3.0 mm, Rear 3.0 mm.

*4 For optimal print results it is recommended to use FBAU recommended paper. Feeding and print quality performance depend on usage conditions and the desired performance may not be achieved with some media.

***5** Based on 80 gsm paper.

***6** For paper longer than 488mm the print area is not guaranteed.

Copy	ApeosPro C810/750/650 Printer
Scan Resolution	600 x 600 dpi,
Printing Resolution	2400 x 2400 dpi (High Resolution Photo) 600 x 600 dpi (Text / Text-Photo / Photo / Map)
Max. Assured Printable Area (Copy Jobs)	297 x 432 mm
First Copy Output Time	• B/W: 4.1 seconds or less (A4 / Monochrome priority mode) • Colour: 5.4 seconds or less (A4 / Colour priority mode)

*: Image loss width: Lead edge 4.0 mm, Trail edge 4.0 mm, Front 3.0 mm, Rear 3.0 mm.

Scan Function	ApeosPro C810/750/650 Printer
Type	Colour Scanner
Original Size	Same as the Basic Specifications / Copy Function
Scan Resolution	600 x 600 dpi, 400 x 400 dpi, 300 x 300 dpi, 200 x 200 dpi
Scan Speed	Same as the Scan Speed for the Duplex Automatic Document Feeder
Scanning Method	Store to folder (TWAIN Interface support), Scan to PC, Scan to e-mail

Duplex Automatic Document Feeder		Description		
		C810	C750	C650
Type		1 pass, 2 sided scanning Duplex Automatic Document Feeder		
Original Size / Paper Weight		Max: A3, 11 x 17"; Min: A6[*1] 38 to 200 gsm (In Duplex: 50 to 200 gsm)		
Capacity[*2]		250 sheets		
Scan Speed[*3]	**Scan**	B/W: 135 ppm, Colour: 135 ppm (1 pass, 2 sided scanning; B/W: 270 ppm, Colour: 270 ppm) [Standard Document (A4), 200 dpi, to Folder.]		

*1: The minimum custom size is 84 x 139.7 mm.
*2: 80 gsm paper
*3: The scanning speed varies depending on the documents

Fax Function (Optional)		Description
Original Size		Max: A3, 11 x 17", Long document (Longest 600 mm)
Recording Paper Size		Max: A3, 11 x 17"; Min: A5
Transmission Time		2 seconds and more but fewer than 3 seconds[*1]
Transmission Mode		ITU-T G3
Scanning Resolution	**Standard**	8 x 3.85 line/mm, 200 x 100 dpi
	Fine	8 x 7.7 line/mm, 200 x 200 dpi
	Super Fine (400dpi)	16 x 15.4 line/mm, 400 x 400 dpi
	Super Fine (600dpi)	600 x 600 dpi
Coding Method		MH, MR, MMR, JBIG

Transmission Speed	G3: 33.6 / 31.2 / 28.8 / 26.4 / 24.0 / 21.6 / 19.2 / 16.8 / 14.4 / 12.0 / 9.6 / 7.2 / 4.8 / 2.4 kbps
Applicable Lines	Telephone subscriber line, PBX, Fax communication (PSTN), Maximum 3 ports*2 (G3-3 ports)

*1: When A4 size document with approximately 700 characters is transmitted in standard image-quality (8 x 3.85 lines/mm) and in high-speed mode (28.8 kbps or faster, JBIG). Only indicates the time for transmitting the image information and does not include the communication control time. The total communication time will vary depending on the contents of the document, the type of machine receiving the fax, and line condition.
*2: No. of FAX lines is up to 3 ports. Port refers to number of channels for FAX.

Direct Fax Function (Optional)	Description
Original Size	A3, JIS B4, A4
Resolution	As same image quality indicated in Scanning Resolution for Fax Function
Transmission Speed	Same as the Fax Function
Applicable Lines	Same as the Fax Function
Supported Operating System*	[PCL Driver] Windows 10 (32 bit / 64 bit), Windows 8.1 (32 bit / 64 bit), Windows Server 2019 (64 bit), Windows Server 2016 (64 bit), Windows Server 2012 R2 (64 bit), Windows Server 2012 (64 bit)
	[Mac OS X Driver] macOS 11 / 10.15 / 10.14 / 10.13 / 10.12

*: Please refer to our official website for the latest supported OS.

Internet Fax Function (Optional)		Description
Original Size		A3, JIS B4, A4
Scanning Resolution		Same as the Fax Function
File Format		Format: TIFF-FX; Compression method: MH, MMR, JBIG
Profile		TIFF-S, TIFF-F, TIFF-J
Network Protocol	**Transmission**	SMTP
	Reception	SMTP, POP3
Interface	**Standard**	Ethernet 1000BASE-T / 100BASE-TX / 10BASE-T

IP Fax (SIP) Function (Optional)		Description
Original Size		Same as the Fax Function
Scanning Resolution		Same as the Fax Function
Supported Protocol		SIP, JT-T.38
Coding Method		Same as the Fax Function
Interface	**Standard**	Ethernet 1000BASE-T / 100BASE-TX / 10BASE-T

Image loss

In ApeosPro C810/C750/C650, image loss width for 4 directions are set in the factory in order to minimize image quality problems.

Factory default settings	Missing image width
Lead edge	4 ㎜ or shorter
Trail edge	4 ㎜ or shorter
Right edge	3 ㎜ or shorter
Left edge	3 ㎜ or shorter

Alignment (Front to Back Registration)

- Accuracy (on the paper): 0.7 mm or less.
- Accuracy (Front/Back):

Paper Tray	Accuracy
Std. Paper Trays	0.8 mm or less.
Bypass tray	No spec.
HCF B1 (Optional)	No spec.
HCF B1-S (Optional)	0.8 mm or less.
HCF C3-DS (Optional)	52-176 gsm: 0.5 mm or less. 177-300 gsm: 1.1 mm or less

NOTE

The accuracy may vary because of elasticity of paper caused by the high temperature /high pressure at the fusing unit. Also, the accuracy above were tested based on the std paper (FujiFilm Digital Uncoated PRO 90gsm)
Results may vary from other papers used. Also, the registration accuracy may vary according to machine usage / paper cutting conditions.

NOTE

The accuracy above were tested for papers 488 mm or less.
Therefore the accuracy will be lower for papers 489 mm or longer.

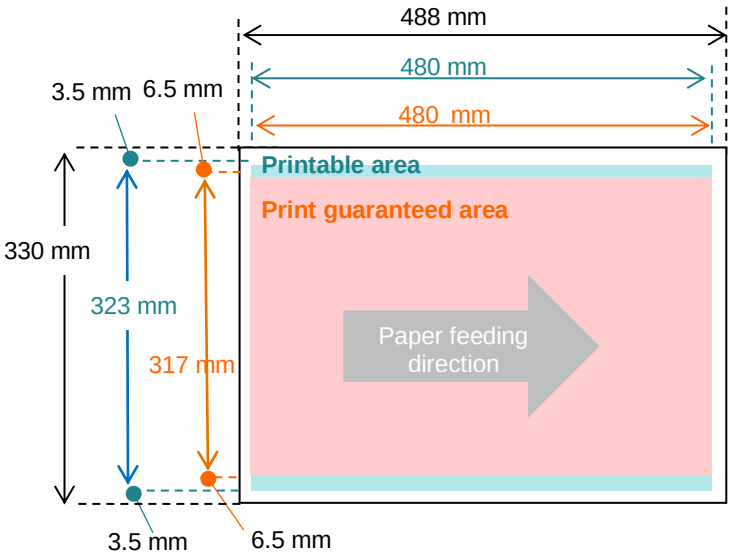
Print guaranteed area and printable area

The following print guaranteed areas/printable areas are defined in ApeosPro C810/C750/C650.

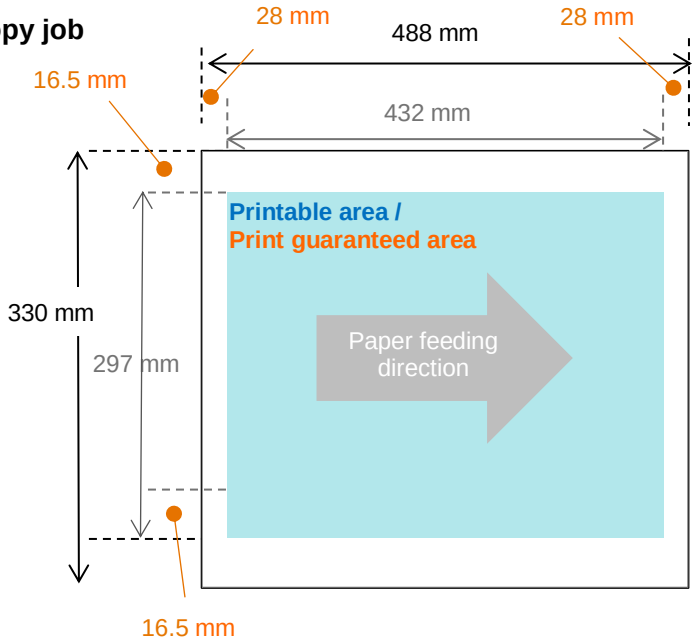
The printable area is the area where images can be printed. There may be some dots, but this is an area that does not interfere with printer's marks, etc.

The print guaranteed area is the image quality guaranteed area on Standard paper(s).
For paper that is longer than 488mm, the print guaranteed area is not defined.

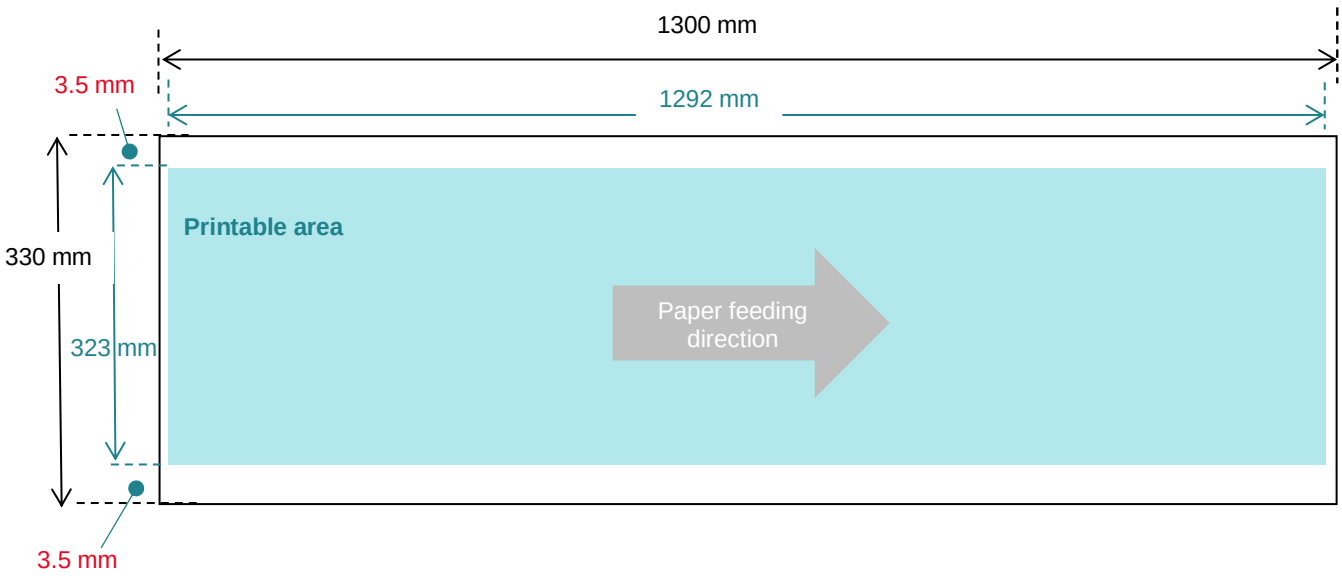
Print job
(Not for Long paper)



Copy job



Print job
(For Long paper)



System Productivity

The print speed of the ApeosPro C810/C750/C650 is defined under the following conditions. Print speed varies depending on Paper Size, Paper weight, and Paper Tray type.

- When the same document is Print continuously from the same Paper Tray.
- Excluding RIP time and image quality adjustment time.
- Colour Print and Mono Print speeds are the same.
- Simplex Print and Duplex Print speeds are the same with certain stock weights. Please see tables below.

– From std. Paper Trays / High Capacity Feeder (HCF):

Std. Paper Trays: Uncoated 52-300 gsm, Coated 106-300 gsm
HCF B1: Uncoated 52-220 gsm, Coated 106-220 gsm
HCF B1-S: Uncoated 52-300gsm, Coated 106-300gsm
HCF C3-DS : Uncoated 52～350gsm, Coated 106～350gsm

/ (Mono/Colour, Simplex print- Page per Minute (ppm), Duplex print- Impression per Minute (ipm). One page has two impressions (front and back)). Automatic Duplex Printing supported up to 300gsm only, 301-350gsm supported as Manual Duplex only.

S=Simplex, D=Duplex in the tables below. Uncoated

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Uncoated	52~82	C810	81	81	80	80	60	60	46	46	42	42	38	38
		C750	75	75	75	75	54	54	43	43	37	37	34	34
		C650	65	65	65	65	47	47	39	39	34	34	30	30
	83~128	C810	81	81	80	80	60	60	46	46	42	42	38	38
		C750	75	75	75	75	54	54	43	43	37	37	34	34
		C650	65	65	65	65	47	47	39	39	34	34	30	30
	129~176	C810	81	51	80	51	60	38	46	32	42	27	38	24
		C750	75	51	75	51	54	38	43	32	37	27	34	24
		C650	65	43	65	43	47	30	39	25	34	21	30	20
	177~220	C810	51	35	51	35	38	26	32	22	27	18	24	16
		C750	51	35	51	35	38	26	32	22	27	18	24	16
		C650	51	30	51	30	38	26	32	22	27	18	24	16
	221~300	C810	51	35	51	35	38	26	32	22	27	18	24	16
		C750	51	35	51	35	38	26	32	22	27	18	24	16
		C650	35	30	35	30	26	26	22	22	18	18	16	16
	301~350	C810	35	35	35	35	26	26	22	22	18	18	16	16
		C750	35	35	35	35	26	26	22	22	18	18	16	16
		C650	35	30	35	30	26	26	22	22	18	18	16	16

Coated / Coated (Mat)

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Coated / Coated (Mat)	106~176	C810	51	51	51	51	38	38	32	32	27	27	24	24
		C750	51	51	51	51	38	38	32	32	27	27	24	24
		C650	51	43	51	43	38	30	32	25	27	21	24	20
	177~220	C810	51	51	51	51	38	38	32	32	27	27	24	24
		C750	51	51	51	51	38	38	32	32	27	27	24	24
		C650	43	43	43	43	33	33	25	25	21	21	20	20
	221~256	C810	35	35	35	35	26	26	22	22	18	18	16	16
		C750	35	35	35	35	26	26	22	22	18	18	16	16
		C650	35	30	35	30	26	26	22	22	18	18	16	16
	257~300	C810	35	35	35	35	26	26	22	22	18	18	16	16
		C750	35	35	35	35	26	26	22	22	18	18	16	16
		C650	30	30	30	30	26	26	22	22	18	18	16	16
	301~350	C810	35	35	35	35	26	26	22	22	18	18	16	16
		C750	30	30	30	30	26	26	22	22	18	18	16	16
		C650	30	30	30	30	26	26	22	22	18	18	16	16

Embossed labels

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Embossed	106~350	C810	25	25	25	25	21	21	18	18	15	15	13	13
		C750	25	25	25	25	21	21	18	18	15	15	13	13
		C650	25	25	25	25	21	21	18	18	15	15	13	13
Label paper	106~176	C810	51	51	51	51	38	38	32	32	27	27	24	24
		C750	51	51	51	51	38	38	32	32	27	27	24	24
		C650	51	43	51	43	38	30	32	25	27	22	24	20
	177~220	C810	51	51	51	51	38	38	32	32	27	27	24	24
		C750	51	51	51	51	38	38	32	32	27	27	24	24
		C650	43	43	43	43	30	30	25	25	21	21	20	20

	221~256	C810	35/35	35/35	26/26	22/22	18/18	16/16
		C750	35/35	35/35	26/26	22/22	18/18	16/16
		C650	35/30	35/30	26/26	22/22	18/18	16/16
	257~300	C810	35/35	35/35	26/26	22/22	18/18	16/16
		C750	35/35	35/35	26/26	22/22	18/18	16/16
		C650	30/30	30/30	26/26	22/22	18/18	16/16

Postcard Envelope

Paper length (Feeding direction)			148mm ≤ ≤ 210mm		210mm < ≤ 216mm		216mm < ≤ 298mm		298mm < ≤ 365mm		365mm < ≤ 432mm		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Postcard	106~128	C810	64/64		64/64		51/51							
		C750	64/64		64/64		51/51							
		C650	56/56		56/56		44/44							
	129~176	C810	64/47		64/47		51/36							
		C750	64/47		64/47		51/36							
		C650	56/43		56/43		44/33							
	177~220	C810	47/35		47/35		36/26							
		C750	47/35		47/35		36/26							
		C650	43/30		43/30		33/26							
Envelope	64~150	C810	25/25	---	25/25	---	21/21	---	18/18	---	15/15	---	13/13	---
		C750	25/25	---	25/25	---	21/21	---	18/18	---	15/15	---	13/13	---
		C650	25/25	---	25/25	---	21/21	---	18/18	---	15/15	---	13/13	---

− From Bypass tray

Bypass tray : Uncoated 52～350 gsm, Coated 106～350 gsm

Numbers/Numbers (Black and White/Colour, sheets/minute →ppm-S Hours/Minutes-D Hours (1 sheet includes two front and back screens)

/ (Mono/Colour, Simplex print- Page per Minute (ppm), Duplex print- Impression per Minute (ipm). One page has two impressions (front and back))

S=Simplex, D=Duplex in the tables below.

Uncoated

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm		488mm < ≤ 660mm		660mm < ≤ 863mm D ≤762mm		863mm < ≤1300mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
Uncoated	52~82	C810	52/52		52/52		43/43		38/38		34/34		31/31		11/11		11/11		11/11	---
		C750	52/52		52/52		43/43		38/38		34/34		31/31		11/11		11/11		11/11	---
		C650	47/47		47/47		38/38		33/33		29/29		27/27		9/9		9/9		9/9	---
	83~128	C810	52/52		52/52		43/43		38/38		34/34		31/31		11/11		11/11		11/11	---
		C750	52/52		52/52		43/43		38/38		34/34		31/31		11/11		11/11		11/11	---
		C650	47/47		47/47		38/38		33/33		29/29		27/27		9/9		9/9		9/9	---
	129~176	C810	52/40		52/40		43/32		38/27		34/24		31/22		11/7		11/7		11/7	---
		C750	52/40		52/40		43/32		38/27		34/24		31/22		11/7		11/7		11/7	---
		C650	47/40		47/40		38/32		33/27		29/24		27/22		9/7		9/7		9/7	---
	177~220	C810	40/31		40/31		32/24		27/20		24/18		22/16		7/5		7/5		7/5	---
		C750	40/31		40/31		32/24		27/20		24/18		22/16		7/5		7/5		7/5	
		C650	40/30		40/30		32/24		27/20		24/18		22/16		7/5		7/5		7/5	
	221~300	C810	40/31		40/31		32/24		27/20		24/18		22/16							
		C750	40/31		40/31		32/24		27/20		24/18		22/16							
		C650	40/30		40/30		32/24		27/20		24/18		22/16							
	301~350	C810	31/31		31/31		24/24		20/20		18/18		16/16							
		C750	31/31		31/31		24/24		20/20		18/18		16/16							
		C650	30/30		30/30		24/24		20/20		18/18		16/16							

Coated / Coated (Mat)

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm		488mm < ≤ 660mm		660mm < ≤ 863mm D ≤762mm		863mm < ≤1300mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
Coated/ Coated(Mat)	106~220	C810	40/40		40/40		32/32		27/27		24/24		22/22		7/7		7/7		7/7	---
		C750	40/40		40/40		32/32		27/27		24/24		22/22		7/7		7/7		7/7	---
		C650	40/40		40/40		32/32		27/27		24/24		22/22		7/7		7/7		7/7	---
	221~300	C810	31/31		31/31		24/24		20/20		18/18		16/16							
		C750	31/31		31/31		24/24		20/20		18/18		16/16							
		C650	30/30		30/30		24/24		20/20		18/18		16/16							
	301~350	C810	31/31		31/31		24/24		20/20		18/18		16/16							
		C750	30/30		30/30		24/24		20/20		18/18		16/16							
		C650	30/30		30/30		24/24		20/20		18/18		16/16							

Embossed labels

Paper length (Feeding direction)			148mm ≤ ≤ 210mm B5L/A4L		210mm < ≤ 216mm		216mm < ≤ 298mm B5/A4		298mm < ≤ 365mm B4		365mm < ≤ 432mm A3		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Embossed	106~350	C810	26/26		26/26		20/20		17/17		15/15		13/13	
		C750	26/26		26/26		20/20		17/17		15/15		13/13	
		C650	26/26		26/26		20/20		17/17		15/15		13/13	
Label paper	106~150	C810	40/40		40/40		32/32		27/27		24/24		22/22	
		C750	40/40		40/40		32/32		27/27		24/24		22/22	
		C650	40/40		40/40		32/32		27/27		24/24		22/22	
	151~220	C810	40/40		40/40		32/32		27/27		24/24		22/22	
		C750	40/40		40/40		32/32		27/27		24/24		22/22	
		C650	40/40		40/40		32/32		27/27		24/24		22/22	
	221~300	C810	31/31		31/31		24/24		20/20		18/18		16/16	
		C750	31/31		31/31		24/24		20/20		18/18		16/16	
		C650	30/30		30/30		24/24		20/20		18/18		16/16	

Postcard Envelope

Paper length (Feeding direction)			148mm ≤ ≤ 210mm		210mm < ≤ 216mm		216mm < ≤ 298mm		298mm < ≤ 365mm		365mm < ≤ 432mm		432mm < ≤ 488mm	
Paper Type	Paper Weight (gsm)	Printer Type	S	D	S	D	S	D	S	D	S	D	S	D
Postcard	106~128	C810	52/52		52/52		43/43							
		C750	52/52		52/52		43/43							
		C650	47/47		47/47		36/36							
	129~176	C810	52/40		52/40		52/32							
		C750	52/40		52/40		52/32							
		C650	47/40		47/40		33/32							
	177~220	C810	40/31		40/31		32/26							
		C750	40/31		40/31		32/26							
		C650	40/30		40/30		32/26							
Envelope	64~150	C810	26/26		26/26		20/20		17/17		15/15		13/13	
		C750	26/26		26/26		20/20		17/17		15/15		13/13	
		C650	26/26		26/26		20/20		17/17		15/15		13/13	

NOTE If Coated or Coated(Mat) paper is fed into the Printer's standard Paper Trays or Bypass tray, mis-feeding may occur. In this case, you can decrease mis-feeding by inserting papers one by one.

NOTE Incorrect paper settings (e.g. Weight, coat/uncoated, size) may cause. paper jams or other paper handling issues

NOTE Load papers properly by using the paper guides in the trays.
If the guide is too tight the paper may bend, if the setting is too loose it may cause, paper jams or other paper feeding problems.

NOTE If there is a high degree of paper curl, Replacing the paper, De-curling the paper, or Turning over the paper may support a better printing result.

NOTE Based on print data and printer' features selected, print speed may drop.

NOTE Due to auto image quality adjustment, print speed may drop.

NOTE When switching from printing from "Mono" to "Colour" page, print speed may drop.

NOTE For printing with mixed paper size / paper types, or print with switching paper trays, print speed may drop.

NOTE Due to GP Controller limitations, print speed may be reduced.

NOTE

Print speed may vary for same print jobs. Due to auto image quality adjustment or adjusting the timing of paper feeding, in the following cases:

・When the system automatically optimizes output image generation and paper transfer efficiency to adjust image quality.

・Print job with different paper size, or mixed paper type.
(including jobs with the same paper size / type but switching paper trays)

NOTE

Running A5 paper (Longer edge) as first page in multiple pages print job,, paper jams may occur in the module-part shown below.

・Belt roll fuser

・Paper cooler

If this paper jam occurs, try running the paper short edge feed.

NOTE

When printing large amounts of low area coverage pages, auto image quality adjustment will be implemented about 1 to 2 minutes after the printing is finished, in order prevent poor image quality.

・Implementation of image quality adjustment is decided based on area coverages of most recent 5000 prints (A4).

・If the image quality is adjusted after Print, the image quality may be adjusted prior to Print of the next job.

・If you attempt to start a job while the printer is adjusting image quality, the printer will not begin immediately. Print starts automatically after adjusting the image quality.

NOTE

Automatic Duplex Printing supported up to 300gsm only, 301-350gsm supported as Manual Duplex only.

Billing Meters

An automated meter capture service is available for customers with a FBAU Support Services Agreement (SSA). This service assists customers with convenient, accurate billing by eliminating the need for manual meter read submission for each device.

If your device or network is not compatible with our meter capture technology, you will be required to manually submit your meter readings for billing purposes. The billing counters can be viewed on the control panel display screen.

Item	Description	Reported	Note
Meter 1	Colour Impressions	Yes	Total output for all prints in Colour The billing meter will increment up to 4 times depending on the page size, as follows: Up to 567mm width – 1 Count From 568mm to 757mm – 2 Counts From 758mm to 1135mm – 3 Counts From 1136mm to 1300mm – 4 Counts
Meter 2	Black Impressions	Yes	Total output for all prints in Black The billing meter will increment up to 4 times depending on the page size, as follows: Up to 567mm width – 1 Count From 568mm to 757mm – 2 Counts From 758mm to 1135mm – 3 Counts From 1136mm to 1300mm – 4 Counts
Meter 3	Colour Large impressions	Yes	Total output for colour prints larger than 297mm x 400mm up to 330mm x 567mm
Meter 4	Total Impressions	No	The total number of Color Impressions and Black Impressions.

Print driver options supported

item	Post-printing	Copy	Multi-Model Print Driver 2	Post Script® Driver	GP Controller
HCF	—	○	×	○	○
Finisher-C4/C5 with Booklet Maker	Staple, Punch, Saddle staple Bi-fold	○	○	○	○
Folder Unit CD3	Z fold half sheet Tri-fold	○	○	○	○
Finisher D6 with Booklet Maker	Staple, Punch Saddle Staple, Bi-fold	○	○	○	○
Folder Unit CD2	Z fold half sheet Tri-fold	○	○	○	○
Inserter D1	Insert cover sheet / separator	○	×	○	○
Crease/Two-sided Trimmer D2	Crease	○	×	○	○
	Two-sided Trim	×	×	×	○
Square Back Fold Trimmer D1	Square back	○	×	○	○
	Face trim	○	×	○	○
Square Back Fold Trimmer D1 + Crease/Two-sided Trimmer D2	Face trim + Two-sided Trim	○	×	○	○

Print Server / Controller

GP (GX) Stand Alone Print Server

Introduction

The purpose of this section is to provide basic information about the capabilities of the GP Print Server for the ApeosPro C810/750/650 Printer. For detailed information, please refer to the Customer Expectation & Installation Guide for the GP Print Server for the ApeosPro C810/750/650 Printer.

Space Requirements

Refer to Space Requirements/Service Space Envelope for space requirements that are matched to your GP Print Server.

To enable a FBAU Customer Service Engineer to safely repair the system, the work area must measure at least 0.83m^2 around the server.

The work surface of the network controller must not infringe on the space requirements by the printer and any attached accessories unless the work surface is a table that has wheels and can easily be moved.

All standard FBAU space requirements apply to this installation including overhead, shared, aisle or hallway, and operator space. The customer is responsible to provide appropriate floor spacing and placement surface.

Storage and future availability of software that ships with the colour server is a customer responsibility. FBAU personnel do not carry replacement materials.

Specifications

Hardware	GP (GX) Print Server
Processors	Intel® Core i3-8100 Processor, 3.6GHz
Platform OS	Windows10 IoT Enterprise LTSC 2019, 64 Bit
System Memory	16 GB（Max 32 GB）
Hard Drives Size / RPM (Minimum)	1 TB System + 1 TB (option), DVD Multi Drive
Monitor Size	23.8”
Installed Fonts	PostScript: 136 European types OpenType (APPE): 19 European types - 2 Japanese fonts (KozGo Pr6N Medium, KozMin Pr6N Regular) - 2 Simplified Chinese fonts (Adobe Song Std-Light, Adobe Heiti Std-Regular) - 2 Traditional Chinese fonts (Adobe Ming Std-Light, Adobe Fan Heiti Std-Bold) - 2 Korean fonts (Adobe Myungjo Std-Medium, Adobe Gothic Std-Bold)
Page Description Language	Adobe® PostScript® 3™, PDF/VT-1, PDF/VT-2, PPML, VIPP*1
Print Data Format	PS, PDF2.0, PDF/X-1a, PDF/X-3, PDF/X-4, PDF/X-5, EPS, TIFF, JPEG

Hardware	GP (GX) Print Server
Supported Operating System [*2]	Windows 10 (32 bit / 64 bit), Windows 8.1 (32 bit / 64 bit), Windows Server 2019 (64 bit), Windows Server 2016 (64 bit), Windows Server 2012 R2 (64 bit), Windows Server 2012 (64 bit) MacOS 11 / 10.15 / 10.14 / 10.13 / 10.12
Interface	Ethernet: 1000BASE-T / 100BASE-TX / 10BASE-T x 2 USB: USB3.1 x 4 (front side Gen1 x 2, back side Gen2 x 2), USB2.0 x 4 (back side)
Network Protocol	TCP/IP (lpd / FTP / IPP [*3] / SMB / JDF / HTTP), Bonjour
Stand	Optional
Spectrophotometer	Optional (i1Pro3)
Electrical Power Supply Rating Power Consumption* (*Server only)	AC100 - 240 V +/- 10 %, 5.0 - 2.5 A, 50/60 Hz common 0.26 kw
Height (mm)	340
Width (mm)	98
Depth (mm)	400
Weight (Kgs)	7.0

Security measures

Security threats are defined as issues that compromise the integrity of the system, hampering the integrity of job data, compromising secured feature access, or allowing unauthorized data access. The installation of network devices should be done in accordance with existing security paradigms.

- There is a risk of infection by viruses, etc., during daily operation.
- Customers are responsible for implementation of security measures after installation.
- For information (Vulnerability response status) of security for this product, refer to our official website.
- The URL may be changed.
- For general security measures, refer to Information website of each company.

  • Microsoft Security Response Center
  • McAfee Threat Center

- False detection of antivirus software can affect the GP Controller's software program. If this happens, please implement recovery procedure based on antivirus software manuals

  The software for this product supports the security update program released of Windows 10 IoT Enterprise on or before December 9, 2020.
  To use this product safely, we recommend that the latest security update program be applied.
  Refer to the security windows above for the application of the security updating program as described above.
  Please do not implement security update program automatically.

- We have tested that GP Controller can work properly with the antivirus software listed below. (as of Dec, 2020)
- However, the above is not guaranteed.
  (Operation is not guaranteed if another application is installed in GP Controller.)
- -McAfee Co., Ltd. "McAfee Endpoint Security 10.6"
- Virus Buster released by Trend Micro Inc. must not be used because it may disrupt the normal operation of GP Controller.
- If you are using antivirus software, GP Controller may run slowly.
- Please implement the viral scanning manually after finish printing.
- If the security-update program is applied, please restart GP Controller.

- As a security measure, GP Controller is to close unused TCP/IP ports in default setting. Therefore, NetBIOS over TCP/IP is also closed, thus you cannot use “Hot Folder” (Shared printers in Windows client.)
- To change the above setting these functions, please sign in as “Admin. of GP Controller account” to Windows.
- GP Controller is set to implement disk defragmentation (to defragment files for optimization) weekly, which is Windows default setting.

  Disk defragmentation is required to maintain system performance. However, during disk defragmentation, CPU may be heavily loaded and unable to receive printing data. Please set schedule for disk defragmentation in entire work schedule.

  Since Windows update (Auto update) is disabled, Windows Defender definition files are not updated automatically. Updating Windows Defender definition files (Security Intelligence) can be implemented in “Command Prompt” via Internet. In addition, if you can not access to Internet, you can download files to local disk to update them.

Performance

Please prioritize “Consecutive Print” as longer intervals between the pages occur in printing. However in this case, if you print several jobs with RIP, the cycle-down occurs between print jobs. To avoid that, create RIP data separately.

- If you select “Gradation adjustment on “Quality tab” of the job properties, RIP performance will be down. You can select adjustment of “Gradation only” or “Gradation / Photo”, but performance is significantly reduced when you select “Gradation / Photo”

Shutdown and Restart

- Please power-off your GP Controller after using for the day.
- To shut down or restart GP Controller, be sure to log in to Print Station as Administrator and select [System] → [Print Server] → [Shutdown Server] (or [Restart Server]) from the link menu.
  Print Station is terminated, printing is stopped, and Windows is terminated. (or restarted).
- During printing, please do not shutdown the stem as below. Those may cause damages for data stored in GP Controller, also you may not be able to implement printings further.

-Shutdown (or restart) from Windows' “Start” menu

- Turning-off the power of GP Controller.

-Please do not turn-off the power of GP Controller. Also, if the power cable is disconnected, the power of GP Controller will be off.

- If Windows can not be shutdown through Print Station’s link menu, in Windows, [Start] → [All Programs] → [FUJI FILM Business Innovation] → [ShutDown-Windows] to shutdown Windows after printing.

Limitation of GP Controller’s OS

- Although GP Controller uses Windows 10, it is not guaranteed to operate as a client PC. Followings are some samples (Out of warranty).

  e.g. Please do not install the software from other vendors. However, you can install one security software.

  e.g. Changing the settings of pre-installed applications including Windows OS will be out of warranty.

  e.g. GP Controller has its own LPD functionality. Therefore, [LPD Print Service]c of Windows may conflict with GP Controller's services and cause unexpected behaviors of GP Controller, similarly for [LPR port Monitor]. Therefore, please do not enable functions below:

  ・[LPD Print Service]

- ・[LPR port Monitor]

  e.g. If you join to the Active Directory domain, the operation will be out of warranty.

Hard Disk capacity

GP Controller has 1TB (system area/job spool area), but usable space is approximately 200GB, including system management space.

When HDD option is added, it consists of basic HDD 1TB (System area/Job spool area) and extended HDD 1TB (RIP data storage area/Raster data storage area). In HDD (1TB area), Job spool area is approximately 450GB.

Monitoring progress of print job

Check the number of sets and pages of print job by GP Controller.

Adobe application SWs

The orientation of the output may differ between Windows and Macintosh versions of Adobe Illustrator.

Fonts Backup

- The font vendor's fonts backup that you purchased and installed are available in accordance with the font vendor's license terms.

Print job operation

Print job setting

- -When you set number of screen line to “1”, you may fail to save that setting.
  -If you set number of screen lines to “55 or less”, you may not be able to apply the settings. In this case, set a larger number of screen lines.
  -Please use fine line adjustment for Type1 fonts in default setting. If you change it, may result in unexpected results about font thickness.
- When you set CMY to 100% in the exception point specification of density adjustment and to enhance outline characters, colours of thin lines may change.

Colour Management

Overview

- When you implement colour management on the host PC/Server, GP Controller's colour management function must be turned off.
- When you RIP documents with transparency using CPS with photo image adjustment, color differences may appear in the areas of transparency and others.

Calibration

- We recommend performing calibration 10-60 min after turning on power of the printer.
- We recommend performing calibration by using actual paper to be used in print jobs.
- We recommend performing calibration when you switch paper stocks for print jobs that are colour ccritical.
- If the printer has not been operated for a long time, please implement calibration after switch on.

Special Colours

Special colors that appear only after the system-preset number of pages (PostScript:100 pages, PDF:5000 pages) may be replaced with alternative colours. When s0pecial colours are processed with alternative colours, special colours are not adjusted even if the special colours are registered in the system and special colour adjustment setting is made. If you want to make sure that special colours adjustment even after the specified number of pages, please RIP / Print after data-processing.

CPMP（Color Profiler Maker Pro）

- The default profile destination for CPMP is "C:\Program Files\FUJIFILM\ GP Controller V30\Color Profile Maker Pro 3.0\" If you try to make a profile with that default setting, it may cause an error.
- Please change the setting or starting application SW as administrator.

Colorimeter

- I1Pro3 does not support calibration/profile creation by GP Controller or colour measurement in ColorMeasurementUtility. If you use i1IPro3, please use the i1_Profiler provided by X-Rite.

  Please use the i1_Profiler provided by X-Rite for colour measurement. using i1Pro3 from your Mac and PCs.

Decomposer

Print data with large number of pages

- When you print PostScript data / PDF files with large number of pages / images, errors may occur because of a lack of workspace of the decomposer. Please divide PostScript data / PDF file in that case.
- Print job with different format in every page also may cause a lack of workspace of the decomposer.

PDF attribute information

In a rotated PDF file, if MediaBox / CropBox contain negative values, it might not print to the correct position if the value is not 0.

If you print with a TrueType font that is not supported for embedding in PDF files, characters that specify this font might not print correctly. Please contact font providers to check fonts support embedding in PDF.

APPE（Adobe ® PDF Print Engine）

- When special colours that are not registered in APPE are processed, CMYK color adjustment is not applied even if the alternative colour space is CMYK.
- When APPE is selected, following functions are restricted.
  [Following functions are grayed out and cannot be selected]
-
  - Hairline warning
  - Colour output of EPS (JPEG compressed)
  - Composite of split images

  [Following functions can be selected, but they are not processed because they are PostScript specific functions.]
  - Synthesis of color separations (except composite decomposition)
  - Treating EPSs as PostScirpt (system setting)
  -Specify fine line adjustment levels for Type1 fonts (system setting)

CPSI(Configurable PostScript ®　Interpreter)

- When CPSI is selected, the following functions are restricted.
- [The following functions are grayed out and cannot be selected]
- - Colour spaces for transparent conversion

Print Driver

PDF print driver

- About OS and Application SW versions:
  -The PDF printer driver is to improve the reproducibility of print previews, not to guarantee it.
- Depending on the combination of OS version and application SW version, it may not be reproduced correctly.

  -If print is not possible, we recommend that you to upgrade OS and application SWs to the latest version.

- This PDF driver works on computers with following OSs:

  Windows® 8.1 (32 bit)
  Windows® 8.1 (64 bit)
  Windows® 10 (32 bit)
  Windows® 10 (64 bit)
- The color space is RGB regardless of the job properties settings. It also disables the Overprint setting, etc.
- You may not be able to print a large number of pages (more than 1000 pages). In such cases, the problem may be solved by doing the followings:
  - Set the memory usage size of the client PC to 4096 MB or more.
  - Select the PDF driver from [Start] → [Devices and Printers] on Windows, select [Printer Properties] → [Advanced] tab, and select [Spool the print document and print the program faster] and select [Spool all pages of data and send the print data to the printer].
  -Reduce pages to not more than 1000 per file.
- Applications that use pass-through method (Print method without converting PDF data) are supported. Please note that even if you print the same data, the results depend on whether or not print data were sent in pass-through method.
  The pass-through method is a function supported by certain applications, and it is supported from the following application SWs:

  ・Adobe® InDesign® CC
- ・Adobe® Illustrator ® CC

  From application SWs that supports the pass-through method, select PDF printer driver to print, the print job is processed in pass-through mode. However, there are the following restrictions.

  -N-up setting is not effective.
  - Some functions set in application SWs cannot be used. Those depend on the application SWs' pass-through method specification.

  Examples of functions that cannot be used are shown below.

  - "Print page" and "Page size processing features of Acrobat/Acrobat Reader
  - Colour Management, Separation, and Graphics related features of InDesign
  - If you use non-alphanumeric characters in the printer name in Acrobat/Acrobat Reader, print jobs can not be processed in pass-through mode. Create a printer name using one-byte alphanumeric characters. (It is confirmed that this limitation has been fixed after Adobe Acrobat DC, Adobe Reader DC, Adobe InDesign CC 2015.)
  - If you print from application SWs that do not support the pass-through method, the color space is RGB regardless of the job property setting. It also disables the Overprint setting, etc.

Paper Setting

- If papers are mixed with long-edge and short-edge, printing to long-edge will be same size for short-edge paper.
- If you want to print to long-edge papers, select long-edge paper specifically.

PostScript print driver

- In A4 / A3 mixed pages print jobs, the top and bottom of A3 paper may be output in the unexpected orientation. This is because that application SWs determine orientation when outputting A4 / A3 mixed job. The printer driver can not change those specifications. In such cases, the orientation of the printer driver may be adjusted by selecting "Rotate horizontally" in the orientation of the document property. However, if you specify Stapling, Punch, or Z fold half sheet, the above procedure is not valid.
- If application SWs describe duplex print settings in the generated PostScript file, duplex print settings of the printer driver may not be effective. In this case, please prioritize print driver's setting by turning off settings in files.

PrintStation

- When you use PrintStation for client PCs, the connected PrintStation (to GP Controller) version must be the same or later.

External software linkage

JDF-linkage (optional)

- For print jobs using JDF, even if paper size is specified as the standard (regular) size in application SWs, the paper size is displayed as Custom size.

  Job details is always displayed in Job History sent from XMF.

1,200 dpi print support for papers more than 488mm

In order to process banner print in 1200 dpi, the Memory Option is required to increase memory to 32 GB.
If there is no Memory Option installed, errors will occur when banner printing in 1200 dpi.

Length	Resolution (dpi)	Memory Option
More than 488 mm -1300 mm	1,200	Required

Other Limitations

- If GP Controller network is connected to 2 ports, scan job below will be unavailable.
- -Platen calibration

When you use Graphics Board Option, GP Controller - LCD Monitor is connected by DisplayPort cable, not by VGA cable.

The license authentication method is changed. There are two authentication methods: "Via Internet" and "Via File Upload". Either authentication method requires you to access FUJIFILM BI Direct (old FX Direct) site and register as a user (e-mail address and password) beforehand. (https://direct-fb.fujifilm.com/ap2/top)

You can find detailed information on how to activate licenses in manual. (About Licenses)
The license is valid for one year.

[Via Internet]: This method is recommended if your print server has internet access.
The method updates automatically for every 10 days and is valid for one year after the update.

[Via File Upload]: This method can be used even if your print server does not have internet access.
Separately from the print server, you must have a PC connected to internet so that you can access FUJIFILM BI Direct.
The method requires that you authenticate each year. An alert is displayed 30 days before the expiry date.

The system is disabled after the expiry date.

Print Station can be installed on Windows PCs. PrintStation for Web is working on web browser, therefore Mac OS PCs can also available.
Please note that there are some limitations on the functions that can be used with Print Station for Web.

Feeding Specifications

Paper Supply Module

The table below shows Paper Size and Paper Weight that can be set for each Paper Supply Module.

Paper Tray	Paper Size	Paper Type/ Weight (gsm)	Paper capacity (80 gsm paper)
Std. Paper Tray 1/2	Standard Size: max. A3, 11 x 17" min. 100 × 148 mm Custom Size : Max. 330×488 mm, Min. 100 × 148 mm	Uncoated :52-300 Coated :106-300	520 sheets x 2
Std. Paper Tray 3	Standard Size: Max. A4, Letter, Min. B5	Uncoated :52-300 Coated :106-300	840 sheets
Std. Paper Tray 4	Standard Size: Max. A4, Letter, Min. JIS B5	Uncoated :52-300 Coated :106-300	1230 sheets
Bypass tray (Std.)	Standard Size: Max. A3, 11 x 17" Min. 100 × 148 mm Custom Size : Max. 330 ×1300 mm, Min. 100 ×148 mm	Uncoated :52-350 Coated :106-350 *For Long Paper Uncoated :52-220 gsm, Coated :106-220 gsm	250 sheets
HCF B1 (Optional)	Standard Size: max A4, Letter Min. B5	Uncoated :52-220 Coated :106-220	2000 sheets
HCF B1-S (Optional)	Standard Size: Max. A3, 11x17" Min. 100 × 148 mm Custom Size : 100 × 148mm-330 × 488mm	Uncoated :52-300 Coated :106-300	2000 sheets
HCF C3-DS (Optional)	Standard Size: Max. A3, 11x17" Min. 100 × 148 mm Custom Size : 100 × 148mm-330 × 488mm	Uncoated :52-350 Coated :106-350	2000 sheets x 2

NOTE

The accuracy of the front and back registration varies depending on the operating conditions. We recommend to use HCF C3-DS if you need to register the front and back with higher accuracy.
Note that the front and back registration accuracy is not guaranteed when feeding from Bypass tray.

NOTE

You can set custom paper weights, however it does not guarantee image quality or stock performance.

NOTE

Postcard (100x148mm), can be used from Std. paper tray 1/2 and Bypass tray. HCF B1-S / HCF C3-DS also can be used with attaching Post Card kit 2 (Optional) and setting the paper type "Postcard".

NOTE

If Post Card kit 2 (Optional) is not attached properly, a paper jam or multi feeding may occur. Refer to the operation manual and set it properly.

NOTE

Please load envelopes into Bypass tray or HCF B1-S/C3-DS.

If the flap is closed and loaded toward the front, printing failure may occur. (the image at the rear end of the paper can be damaged). When that symptom happens, please load envelope on the other side. The problem may be reduced.

In addition, a lot of envelopes may have uneven heights, which may cause misfeeding or multi feeding. In this case, please reduce the number of envelopes.

NOTE

Bypass tray does not guarantee paper running when multiple sheets of Long Paper with a paper length of 488.1 mm or more are loaded.
Feed paper one by one to avoid mis-feeding or multi-feeding.

NOTE

When MSI is removed from IOT and placed on the HCF C3-DS or B1-S, the maximum paper length that can be fed via the MSI is 660mm.

NOTE

When MSI is removed from IOT and placed on the HCF C3-DS or B1-S, the maximum paper weight that can be fed from MSI is 300gsm.

Finishing Specifications

Offset Catch Tray (OCT)

The Catch Tray holds a maximum of 500 sheets. (80gsm)
Catch Tray Limitations:

- Maximum paper size is 330 x 660mm, Minimum paper size 100 x 148mm.
- Catch Tray Fan Kit is mandatory for suppressing sticking of paper by heat.
- The paper capacity is for papers up to 488mm. The paper capacity of long papers (paper length: 488.1 to 1300mm) is not guaranteed. It is recommended to remove one by one manually.

Long Catch Tray (LCT)

The Catch Tray holds a maximum of 300 sheets. (80gsm)
Long Catch Tray Limitations:

- Maximum paper size is 330 x 1300mm, Minimum paper size 100 x 148mm.
- Catch Tray Fan Kit is mandatory for suppressing sticking of paper by heat.
- The 300 sheet paper capacity is for papers up to 488mm.
- The paper capacity of long papers 488.1 to 729mm is 100 sheets.
- The paper capacity for 729 to 1300mm is 10 sheets.
- Long paper less than 210mm width will not stack properly.

Finisher C4/C5・ Finisher C4/C5 with Booklet Maker (optional)

- Both Finisher C4/C5 and Finisher C4/C5 with Booklet Maker perform stacking, stapling and punching.

  Only Finisher C4/C5 with Booklet Maker allows saddle stapling

Item	Output Tray	Finishing Tray	Booklet Tray (Finisher C4/C5 with Booklet Maker only)
Paper Capacity	500 sheets (80 gsm Paper)	Finisher C4/C5 [Without Stapling] A4: 3000 sheets, JIS B4 or larger: 1500 sheets, A5: 1000 sheets, Mixed Size Stacking: 300 sheets [With_Stapling A4: 200 sets or 3000 sheets, B4 or larger: 100 sets or 1500 sheets, A5: 100 sets or 1000 sheets, Mixed Size Stacking: 70 sets or 200 sheets	20 sets
		Finisher C4/C5 with Booklet Maker: [Without Stapling] A4: 1500 sheets, B4 or larger: 1500 sheets, A5: 1000 sheets, Mixed Size Stacking: 300 sheets [With_Stapling] A4: 200 sets or 1500 sheets, B4 or larger: 100 sets or 1500 sheets, A5: 100 sets or 1000 sheets, Mixed Size Stacking: 70 sets or 200 sheets	
Paper Size	Standard size: Max A3, 11 x 17”, Min A6 Custom size: 100 x 148 mm to 330 x 1300 mm	Standard size: Max A3, 11 x 17”, Min A5 Custom size: Max 330 x 488 mm, Min 203 x 182 mm	-
Paper Weight	52-350 gsm	52-350 gsm	-
Finishing	None	Offset Stapling:50 sheets (65 sheets with optional) 2-hole/4-hole Punch or 2-hole/3-hole Punch [Staple-free] Finisher C5/C5 with Booklet Maker only. Stapling:10 sheets (80 gsm or less)	Saddle Stapling: 20 sheets (90 gsm or less) Single_fold:5 sheets (90 gsm or less)

NOTE A mix stack consists of small size paper loaded on large size paper.

NOTE The papers shown below can only be printed out to the Output Tray.
- Postcard, Envelope, labels and films
- Long paper (paper length: 488.1 to 1300mm)

NOTE

The available stapling sizes for Finisher Tray are as follows.
・Max: A3, 11x17
・Min: A5

NOTE

The available punching sizes are as follows.
・Max: A3
・Min: A5 L

NOTE

The offset function of Finisher Tray is performed when the paper length is between 203 and 297mm in the feeding direction. Paper length with 202.9 mm or less / 297.1 mm or more cannot be offset.
Also, the offset-effect may not be sufficient, depending on paper characteristic.

NOTE

Paper capacity of Finisher Tray is based on the same paper size. For mixed-size jobs, paper capacity may be reduced. Also the printed papers stack may be unstable or collapse

NOTE

Stapling capabilities of staple-free stapling by Finisher C5, Finisher C5 with Booklet Maker are different from Finisher “With staple”. Stapling capabilities of staple-free stapling may vary according to paper, temperature, humidity etc.
64-80 gsm: Max.10 sheets, 81-90 gsm: Max.7 sheets, 91-105 gsm: Max.6 sheets

Finisher C4/C5・ Finisher C4/C5 with Booklet Maker - continued

NOTE

The table below shows the approximate number of sheets for stapling (when all paper papers' weight are the same).
Even if the number of sheets are less than the number shown in the table below, staple may be defective if the paper is stiff due to the fiber density or coating process. To avoid stapling failure, please implement adequate stapling test beforehand.

50 sheets Specifications (A4)

Uncoated		Coated	
paper weight (gsm)	Number of sheet	paper weight (gsm)	Number of sheet
52～90	50		
91～105	30		
106～128	25	106～128	15
129～150	20	129～150	10
151～176	15	151～176	7
177～220	10	177～220	5
221～300	3	221～256	3
301～350	△	301～350	△
△: Not recommended (Setting is possible)			

Optional 65 sheet Specifications (A4 size)

Uncoated		Coated	
paper weight (gsm)	Number of sheet	paper weight (gsm)	Number of sheet
52～90	65		
91～105	30		
106～128	25	106～128	15
129～150	20	129～150	10
151～176	15	151～176	7
177～220	10	177～220	5
221～300	3	221～256	3
301～350	△	301～350	△
△: Not recommended (Setting is possible).			

NOTE

The table below shows the approximate number of sheets for saddle stapling (when all paper papers' weight are the same).
Even if the number of sheets are less than the number shown in the table below, staple may be defective if the paper is stiff due to the fiber density or coating process. To avoid stapling failure, please implement adequate stapling test beforehand.

Uncoated		Coated	
paper weight (gsm)	Number of sheet	paper weight (gsm)	Number of sheet
52～63	×		
64～90	20		
91～105	7		
106～128	7	106～128	7
129～150	7	129～150	7
151～176	7	151～176	7
177～220	5	177～220	5
221～300	3	221～256	3
301～350	×	257～350	×
×: Not possible			

※For Coated papers, depending on the coating type, the number of stapled sheets may be significantly reduced. Please implement adequate stapling testing beforehand.

NOTE

The table below shows paper weight for which bi--folding and booklet making are available. (Finisher C4/5 with Booklet Maker only)

Uncoated		Coated	
paper weight (gsm)	availability	paper weight (gsm)	availability
～63	×		
64～300	○	106～220	○
301～350	×	221～350	×
○:Possible ×:Not possible			

※When stiff papers are folded, only cover page may be out. In this case, it may be improved by changing some parameters setting by the engineer.

NOTE

The table below shows for Punching. C4/C5 Finisher with 2/4H punching must be purchased separately to a standard C4/5 Finisher

Uncoated		Coated	
paper weight (gsm)	availability	paper weight (gsm)	availability
52～59	○	106～200	○
60～220	○	201～220	△
221～350	×	221～350	×
○: Possible △: Not recommended (Setting is possible). ×: Not possible			

NOTE

Coated paper used on Finisher C4/5 are prone to image defects when feeding out into the finisher tray. If you use Coated papers frequently, Finisher D6 is highly recommended.

NOTE

Long papers (Longer than 488mm) may reduce the paper storage capacity.

NOTE

The 2/4H & 2/3H punching feature is not available as a separate upgrade.

NOTE

Stapling capabilities of staple-free stapling on the Finisher C5, Finisher C5 with Booklet Maker are different from Finisher C4 “With staple”. Stapling capabilities of staple-free stapling may vary according to paper/temperature/humidity/etc.

64-80 gsm: Max. 10 sheets, 81-90 gsm: Max. 7 sheets, 91-105 gsm: Max. 6

- C5-Finisher Staple-free stapling does not have a binding force equal to stapled stapling. Bound part may be easily separated depending on the paper, temperature, humidity, and how the page is turned over.
- C5-Finisher Staple-free stapling does not support coated paper stocks.
- Staple-free staple with mixed size and Z-folding is not available. Staple-free staple is available for unity paper size and paper weight.
- Single straight stapling with staple-free staple is not available.
- Printing with staple-free staple will be slower compared to normal staples. (It takes a longer time to pressurize)
- A job with staple-free staple over 10 sheets would be cancelled automatically. It will not be changed “staple-free staple” to “normal staple” automatically.

Folder Unit CD2 / CD3 (optional)

Folder Unit CD2 is option for Finisher D6 and Finisher D6 with Booklet Maker., Folder Unit CD3 is option for Finisher-C4/5 and Finisher-C4/5 with Booklet Maker.

Item	Folder Unit CD2/3
Paper Capacity	30 sheets (82 gsm paper)
Paper Size	Z fold half sheet : A3, 11×17, B4 Tri-fold: A4, Letter
Paper Weight	Uncoated :60-90gsm(CD2) / 64-90gsm(CD3)
Folding type	Tri-fold, Z fold half sheet

NOTE Folder Unit CD2/3 supports only uncoated papers.

NOTE

The table below shows paper weight for Tri-fold and Z fold half sheet.

Paper Weight (gsm)	Tri-fold, Z fold half sheet	
	Uncoated	Coated
52～63	×	
64～90	○	
91～105	△	
106～350	×	×

○:Possible.
△:Not recommended.
×:Not possible.

High Capacity Stacker A1(optional)

An optional item for stacking 5000 sheets. One Stacker cart comes with this optional item.

Item	Output Tray	Stacker Tray
Paper Capacity	500 sheets (80 gsm paper)	5000 sheets (80 gsm paper)
Paper Size	Max. :330×1300mm Min.:100 ×148mm	Max. :330×488mm Min. :203×182mm
Paper Weight	52-350g/㎡	52-300g/㎡

NOTE If you use paper out of the paper weight range indicated above, you are prone to image and printing defects.

NOTE Depending on the type of paper, the offset feature may exhibit inconsistent offsetting of stacks.

NOTE Paper Capacity of High Capacity Stacker A1 is based on the same paper size. For mixed-size jobs, paper capacity may be reduced and the printed papers stack may be unstable and collapse.

NOTE Depending on type of paper/ usage conditions, the paper storing capacity may be reduced.

NOTE When the stacker sample button is pressed, the behaviour is as follows:
• Output 1 sheet to the top paper tray (You can select to include or exclude that sheet in the print job.).
First page of the next set will be outputted to the top Paper Tray (including in the print job).

NOTE Long papers (Longer than 488mm) require HCS Top tray Extension kit.

NOTE The papers shown below can be printed only to top Output Tray.
・Postcard, Envelope, labels and films
・Long paper (paper length: 488.1 to 1300mm)

NOTE An Interface Decurler Module D1 is required to connect to the main unit.

Finisher D6/Finisher D6 with Booklet Maker (optional)

- Both Finisher D6 and Finisher D6 with Booklet Maker perform large-capacity stacking, stapling and punching. Only Finisher D6 with Booklet Maker allows saddle stapling for booklet making.

Item	Output Tray	Finishing Tray	Booklet Tray (Finisher D6 with Booklet Maker only)
Paper capacity	500 sheets (82 gsm paper A4)	For Finisher D6 A4:3,000 sheets B4 or higher: 1500 sheets (82 gsm paper) For Finisher D6 with Booklet Maker A4:2000 sheets B4 or higher: 1500 sheets (82 gsm paper)	20 copies (for our 16 sheets Job or less, 82 gsm paper)
Paper size	Max. :330×1300mm Min.:100 ×148mm	Max. :330×488 mm Min. :148×148 mm	Max. :330×488 mm Min. :182×257 mm
Paper weight	Uncoated :52-350gsm Coated : 106-350gsm	Uncoated :52-350 gsm Coated : 106-350gsm	Uncoated :60-350gsm Coated :106-350gsm
Finishing	None	Offset Stapling 100 sheets (90gsm or less) 2-hole/4-hole Punch (optional) 2-hole/3-hole Punch (optional)	Saddle stapling 30 sheets (90gsm or less) Single fold 5 sheets (220gsm or less)

NOTE

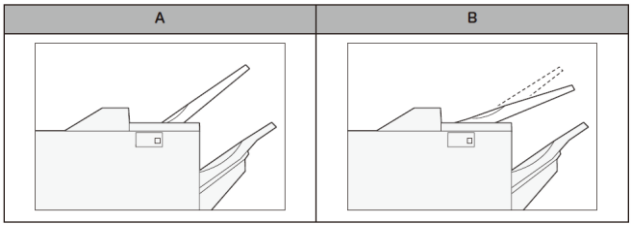
Paper Capacities are based on our standard conditions (e.g. 80 gsm paper, temperature and humidity etc) . The paper capacity may reduce depending on the brand of paper, paper weight and the temperature/humidity.
In particular, the paper capacity of the following types of paper are reduced.

- Coated paper
- Less rigid paper
- Static-prone paper

NOTE

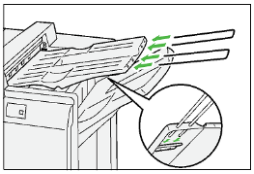
If the papers in the output tray result in a " Full-stacking" alert, please set output tray in the lower position (Fig. B below).
In particular, the following types of paper are easier to alert " Full-stacking":

- Long Paper



NOTE

Note for Banner Print Extension Kit when attached to output tray



Length: 488.1-660 mm 150 sheet (82 gsm paper)
Length: 660.1-729 mm 100 sheet (82 gsm paper)
Length: 729.1-1300 mm 10 sheet (82 gsm paper)

・Please set output tray in lower position .
When not in use, please put it in storage case on the back of the Finisher.
・For this unit to work properly, please load papers as per specifications.

NOTE

The number of sheet for stapling/saddle stapling are based on our standard conditions (82 gsm paper, temperature and humidity etc.)
The number of sheet may be reduced in different usage environment.

In particular, the number of binding sheets will decrease for the following sheets.
- Coated papers
- Highly rigid papers
- Heavy weight papers

NOTE

There is no function to show faults in stapling/saddle stapling.

NOTE

The papers shown below can be printed out only to Output Tray.
・Postcard, Envelope, labels and films
・Long paper (paper length: 488.1 to 1300mm)

NOTE

The available sizes for stapling are as follows.
・Maximum :297×432mm
・Minimum :182×148mm

NOTE

The available sizes for punching are as follows.
・Maximum :297×431mm
・Minimum :203×182mm

NOTE

The offset function of the Finisher Tray is for when the paper length is between 203 and 297mm in the feeding direction. Paper length with 202.9 mm or less / 297.1 mm or more cannot be offset.
Also, the offset-effect may not be minimised depending on paper characteristics.

NOTE

Paper capacity of Finisher Tray is based on the same paper size. For mixed-size jobs, paper capacity may be reduced. Also the printed paper stack may collapse.

NOTE

When a large quantity of small paper such as 1000 sheets of B5 /A5 are loaded onto Finishing Tray, it may collapse.

NOTE

If you use paper out of the paper weight range indicated above, you are prone to image and printing defects.

NOTE

The table below shows the approximate number of sheets for stapling (when all paper paper weights are the same).
Even if the number of sheets are less than the number shown in the table below, staple may be defective if the paper is stiff due to the fiber density or coating process. To avoid stapling failure, please implement adequate stapling testing beforehand.

For Uncoated

A4 size		B4/A3 size	
Paper Weight (gsm)	Number of sheets	Paper Weight (gsm)	Number of sheets
52～80	100	52～80	65
81～90	100	81～90	65
91～105	50	91～105	50
106～128	50	106～128	45
129～150	20	129～150	20
151～176	20	151～176	20
177～220	20	177～220	20
221～256	20	221～256	20
257～300	10	257～300	10
301～350	10	301～350	10

For Coated

A4 size		B4/A3 size	
Paper Weight (gsm)	Number of sheets	Paper Weight (gsm)	Number of sheets
106～128	30	106～128	30
129～150	20	129～150	20
151～176	20	151～176	20
177～220	20	177～220	20
221～256	20	221～256	20
257～300	10	257～300	10
301～350	10	301～350	10

NOTE

The table below shows the approximate number of sheets for saddle stapling (when all paper papers' weights are the same).
Even if the number of sheets are less than the number shown in the table below, stapling may be defective if the paper is stiff due to the fiber density or coating process. To avoid stapling failure, please implement adequate stapling testing beforehand.

Uncoated		Coated	
Paper Weight (gsm)	Number of sheets	Paper Weight (gsm)	Number of sheets
52～59	△30		
60～80	30		
81～90	30		
91～105	20		
106～128	15	106～128	15
129～150	10	129～150	10
151～176	10	151～176	10
177～220	5	177～220	5
221～256	4	221～256	4
257～300	3	257～300	3
301～350	△3	301～350	△3
△: Not recommended.			

※For Coated papers, depending on the coating type, the number of binding sheets may be significantly reduced. Please implement adequate stapling test beforehand.

NOTE

The table below shows paper weight for which bi--folding and booklet making are available. (Finisher D6 with Booklet Maker only)

Uncoated		Coated	
Paper Weight (gsm)	Response status	Paper Weight (gsm)	Response status
52～59	×		
60～300	○	106～300	○
301～350	△	301～350	△
○:Possible. △:Not recommended. ×: Not possible.			

※When stiff papers are folded, only cover page may be out. In this case, it may be improved by changing some parameters setting by our engineer.

NOTE

The table below shows for Punching.

Uncoated		Coated	
Paper Weight (gsm)	Response status	Paper Weight (gsm)	Response status
52～59	○		
60～220	○	106～200	○
221～300	×	201～300	×
301～350	×	301～350	×
○:Possible. ×:Not possible.			

Interface Decurler Module D1

The Interface Decurler Module D1 offer real-time curling adjustment features. Paper curl can be adjusted by pressing the buttons during printing.

Optional Connectable Accessories: Inserter D1, High Capacity Stacker A1,
Crease / Two-sided Trimmer D2, Folder Unit CD2,
Finisher D6/Finisher D6 with Booklet Maker
and Square Back Fold Trimmer D1.

Inserter D1 (Optional)

Inserter D1 is used to insert sheet into finished sets without having to go through the printer. The sheets will be fed from Tray T1.

Inserter D1		
Inserter D1 Specifications	Feature	Specification
	Capacity	250 sheet capacity (based on 80gsm paper)
	Sizes	Min: 148 x 182 mm SEF Max: 330 x 488 mm SEF
	Weights	Uncoated: 52 – 350 gsm Coated: 106 – 350 gsm
	Supported Media Types	Plain, uncoated, coated, heavyweight, lightweight, tabs, hole punched

Inserter D1	
Inserter D1 Limitations	• Coated media may not run as reliably as uncoated paper. Paper feeding may improve when it is fed sheet by sheet. • When inserted as a cover of a booklet: - the inserted sheet will be required to be the same size as the body of the booklet being printed. - the inserted sheet will be required to be placed “face down” from the Inserter D1 tray (T1). • Materials below are not supported. - film (transparent), fabric, postcard, adhesive papers, label, envelope - laminated stock, pasted or varnished stocks - embossed or foil pressed stocks. • Creating booklet and bi-fold applications with the combination of Inserter D1 and media below may cause misalignment or wrinkles. - Coated paper weighing 127 gsm or lighter - Blank sheet of paper weighing 80 gsm or lighter • When the Inserter D1 runs out of paper during a print, the uncompleted prints will be purged to nearest output tray. Please remove the purged outputs and reload the Inserter before restarting the job. • When the Inserter D1 is used for sheet insertion, the productivity will decrease if the inserted sheet is larger than the printed job from the printer.

Crease/Two-sided Trimmer D2 (Optional)

The Crease/Two-sided Trimmer D2 is an optional finishing device that provides creasing for booklets and plain paper, 2-sided trimming (to complete full-bleed trimming with Square Back Fold Trimmer D1) and buffering for uncoated booklet.
IMPORTANT: It is only available with the Finisher D6, Finisher D6 with Booklet Maker (Square Back Fold Trimmer D1 is optional) it is not available with any other finishing device.

Machining type	Item	Crease/Two-sided Trimmer D2
Two-sided Trimming	Paper Size	Max. 330×488mm (for Two-sided Trimming only) Min. :194×210 mm
	Paper Weight	Uncoated :52-350gsm Coated : 106-350gsm
	Cutting dimensions	6 to 25 mm (applied to both top and bottom)
Creasing	Paper Size	Max. 330×488mm (for Creasing only) Min. :182×210 mm
	Paper Weight	Creasing at Booklet Finishing Uncoated :52-350gsm Coated :106-350gsm Creasing for Folding operation Uncoated :157-350gsm Coated :157-350gsm
	Crease	Up to 5

NOTE

The smallest size for Two-sided trimming is 182mm.

NOTE

If the cut dimension is set to 6mm at two-sided trimming, the cut surface of the paper may be damaged. In this case, set to 7 mm or more.

NOTE

If two-sided trimming paper is 105 gsm or less, dirt may appear at the edge of the paper.

NOTE

Creasing on booklets reduces toner cracks on spines. However, the effectiveness is dependent on media characteristics (e.g. stiffness, grain, etc.). It is recommended to test the required media beforehand to see check the output quality.

NOTE

As the number of creasing on 1 sheet of paper (up to 5) increases, productivity will decrease (Need to stop the paper for a period of time for each creasing).

NOTE

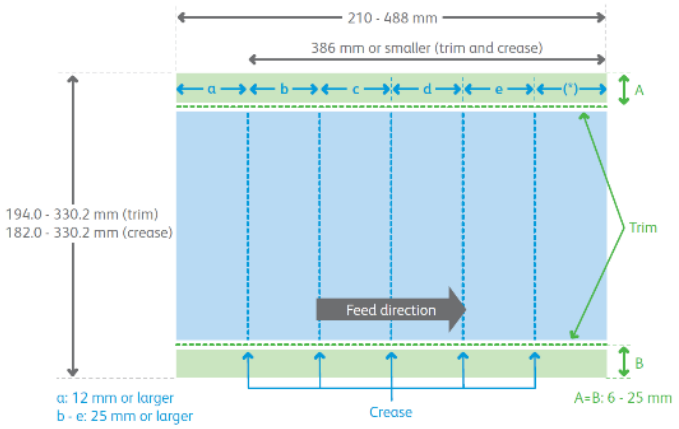
Creasing on booklets will apply to the first and the last sheet of the booklet

NOTE

Creasing cannot be applied to Z-Fold and others produced from Folder Unit CD2/3.

NOTE

Below are specifications of Crease/Two-sided Trimmer D2.
- 45mm margin is needed for creasing from the lead edge of the paper.
- 12mm margin is needed for creasing from the tail edge of the paper.
- Creasing between 45 to 62 mm from the lead edge may cause a paper jam.
- Each crease needs 25 mm margin from nearest other creases.
- All creases will need to be applied within 386mm from the lead edge of the paper.



NOTE

When creasing and trimming concurrently, maximum number of creases will be reduced to 3 creases if the length of the paper is shorter than 279mm or longer than 450mm. Max. paper length (Paper feeding direction) is less than 386mm.

NOTE

It is recommended to use creasing on plain paper for media above 157gsm (uncoated and coated). Creasing can be applied to media between 106 to 156 gsm, although the output quality is not guaranteed.

NOTE

Creasing direction can be selected between Mountain and Valley Fold. Please use the reference below for folding.

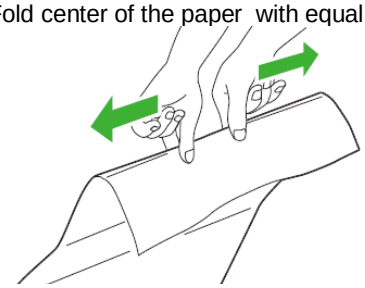
Fold	Mountain Fold	Valley Fold	Booklet
When creased			
When folded			

NOTE

The accuracy of creasing / folding may vary.
Please adjust folding position by 0.1mm so that you can reduce the variation.

NOTE

Fold the paper one by one along the fold line.
Fold center of the paper with equal pressure by both hands.



NOTE

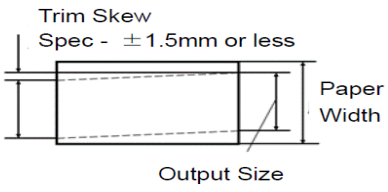
Buffer feature within Crease/Two-sided Trimmer D2 is effective in maximizing productivity for booklet between 60 to 150 gsm (uncoated).
The buffer feature will not be applicable to the following media types.
- coated, pre-punched, label, film (transparent) stocks.

NOTE

Creasing and trimming on banner print (488.1 to 1300mm sheet size) is not supported.

Trimmer Accuracy

The Crease / Two-Sided Trimmer D2 can trim the top and bottom area of each sheet where set to do so. Before trim is performed the position of each sheet is detected and the trim is adjusted to ensure cutting accuracy. The specification of trim skew is a 1.5mm difference when the start of cut is measured at the lead edge and compared to the end of cut at the trail edge.



Banner Print Extension Kit and Finisher Tray Extension Kit

Banner Print Extension Kit and Finisher Tray Extension Kit are options connectable to Finisher D6 and Finisher D6 with Booklet Maker.

Banner Print Extension Kit and Finisher Tray Extension Kit		
Banner Print Extension Kit Specifications	Feature	Top Tray / Output Tray – Specification (based on 80 gsm paper)
	Paper Size	Width: 210 - 330 mm Length: 488 - 739 mm
	Paper Weight	Up to 220 gsm
	Paper Capacity	150 sheets
Banner Print Extension Kit Limitation	• Unload the prints before exceeding the paper capacity. • The tray is required to be set at angled position (B) when configuring the Banner Print Extension Kit. • Banner Print Extension Kit can be stored in a case when not in use.	
Finisher Tray Extension Kit Specification	No changes to Stacker Tray / Finisher Tray specification. Refer to specification on Finisher D6.	

Square Back Fold Trimmer D1 (Optional)

The SquareFold Trimmer is an optional finishing device that flattens the spine of a booklet and performs face trim of the booklet.
IMPORTANT: It is only available with the Finisher D6 with Booklet Maker; it is not available with any other finishing device.

Item	Square Back Fold Trimmer D1
Paper Capacity	20 copies (15 sheets binding or less) 15 parts (16 sheets or more)
Paper Size/Paper Weight	Conform to Booklet Tray specification of Finisher D6 with Booklet Maker
Trim capacity	Saddle Staple: 30 sheets (82 gsm paper), Bi- Fold: 5 sheets (82 gsm paper)
Trim Dimensions	2-20mm
Square Fold Capacity	Saddle stapling :5-30 sheets

NOTE Use of square fold is not supported on bi-fold or booklet less than 5 sheets.

NOTE When the trimmed edge is not smoothly finished using the face trimmer, the output may be improved by extending the area of the trim.

NOTE When the square fold is applied, you may see a pressed line in parallel to the spine. Also, when the face trim is applied, you may see a thin pressed mark in parallel to the fore edge. These marks will be more visible depending on the thickness of the finished booklet.

NOTE Trimmer waste cannot be disposed during a print run. Please empty the waste container when the Printer is not printing.

Media and Substrates

Media Selection Guidelines and Media Support	
Media Type	ApeosPro C810/750/650 Printer recommended paper
Uncoated Paper	FujiFilm Digital Uncoated PRO 90gsm

- Every effort has been made to ensure that the Printer supports a broad range of media. Using only FBAU-recommended media helps maximize reliability and paper-handling performance. Furthermore, use of FBAU-recommended media helps to ensure you receive the best image quality from your Printer.
- Typically, heavy weight papers exhibit increased variability of formation and surface smoothness, which may result in degraded image quality.
- Paper from all trays is printed topside first. It is recommended that FBAU branded paper be loaded with ream wrapper seam-side up.
- Manufacturers of coated stock do not recommend use of their media when the ambient relative humidity exceeds 60%. Relative humidity greater than 40% may increase the misfeed rate from Trays 1, 2, 3, 4 and 5 (Bypass).
- All paper stretches to a certain extent during printing. The amount of stretch is dependent on paper type and environmental conditions. Stretch is most noticeable on coated stocks. This stretch can affect front-to-back image registration. Use the Alignment Profiles feature described in the Stock Library Manager to minimize this effect.
- Image registration, image quality (for example white spots), and machine reliability can be adversely affected when custom-cut paper is inaccurately cut, is of poor quality, or loose paper fibres are present on the cut edges.
- Image registration, image quality (for example white spots), jam frequency and machine reliability can be adversely affected when punched or drilled paper is of poor quality and/or loose hole plugs are present in the ream.

For further information and recommendations regarding media testing, selections, and handling, refer to the product user guide.

Printer Output and Other Equipment

- If you plan to run the printer output through other equipment, including finishing devices such as a coater or laminator, it is recommended you test the application before committing to the job. Many factors impact the success of running the printer output in other equipment.

Duplex (2-Sided Prints)

- Automatic duplex printing can be performed on recommended media up to 762mm in length and paper weights up to 300 gsm.
- As with any printer or copier, duplex performance may not match the performance for single-sided printing or copying. Paper jam rates may be higher than the rate you will experience for the same throughput material in single-sided mode.
- Duplex printing is not possible on specialty stocks such as Film, Transfer paper, tab paper, labels, adhesive paper or envelopes.

Storage

The recommended storage conditions for all paper supplies are 20°C to 23°C at 45%-55% relative humidity. Papers stored or used outside the recommended environment are likely to affect the image quality output. Paper should always be stored in sealed packs, on shelves located in a work place that is consistently controlled at the recommended environment stated above.

Maintenance and Support

Customer / Operator Maintenance

SIQA (Simple Image Quality Adjustment)

The ApeosPro C810/750/650 Printer includes a number of procedures, collectively called Simple Image Quality Adjustments, that use the scanner to adjust image quality. The SIQA toolset can be used to adjust inboard-to-outboard uniformity (“smile” correction) and side-to-side registration, as well as image transfer settings. These adjustments are performed by initiating the process at the user interface which generates a set of prints. These prints are then scanned using the scanner, which automatically feeds the measurement data back to the Printer where the necessary adjustments are made.

SIQA Notes and Caveats

- In general, the inboard-to-outboard uniformity correction does not depend on which particular stock and tray is used. One correction will be sufficient for all stocks and trays.
- Side-to-side registration correction does depend on the specific stock and tray.
- Image transfer adjustment is dependent on the specific stock.
- If an error occurs due to dust contamination during the scan or printing of measurement charts it will cause a misalignment of settings. Print the measurement charts again and perform the Scan again.
- Corrected data cannot be transferred while the printer is in operation (copying, printing, opening/closing the cover, touch panel display, etc.). After "Auto RESET" (240 seconds by default), it is ready for transfer.
- In case the printer set of “NO” on Auto RESET setting, the corrected data cannot be forwarded.
- If an error occurs due to dust contamination during scan, printing of measurement charts, misalignment of setting positions, etc., please print the measurement charts again and perform to scan.
- There is no adjustment function of the front and back alignment for Long Paper.

Supplies and Consumables

Consumables including Toner can be ordered by contacting the FBAU Customer Support Centre by ordering on the Internet: https://www.fujifilm.com/fbau/supplies.

Toner Yield Rate

Item	Reorder Number	Units per Carton	Impressions	Replaced by
Toner Cartridge Black (K)	CT203386	1	Yield: 23k A4 at 7.5% AC	Customer
Toner Cartridge Cyan (C)	CT203387	1	Yield: 25k A4 at 7.5% AC	Customer
Toner Cartridge Magenta (M)	CT203388	1	Yield: 25k A4 at 7.5% AC	Customer
Toner Cartridge Yellow (Y)	CT203389	1	Yield: 25k A4 at 7.5% AC	Customer

Customer replaceable units

Waste Toner Bottle	CWAA0986	1	Yield: 33.3K at 7.5% AC
Drum Cartridge K/C/M/Y	CT351233	1	180K B/W 162K Colour
Staple Cartridge Types XE (2PCS) (50 sheets Staple)	CWAA0856	5K staples x 2 cartridges / box	Stapling and booklet making for: C4/C5 Finisher

			C4/C5 Finisher with Booklet Maker Finisher D6 with Booklet Maker
Staple Cartridge (65 sheet staple only, when option is installed)	CWAA0855	5K staples x 3 boxes	C4/C5 Finisher C4/C5 Finisher with booklet maker
Staple Cartridge for Finisher D6	CWAA0677	5K staples x 4 cartridges / box + waste cartridge	Stapling for: Finisher D6 Finisher D6 with Booklet Maker

NOTE: instructions on how to replace these supplies & CRU's can be found in the User Guide.

Yield projections

- For a continuous printing of A4, one sided job with toner density (area coverage per colour) at 7.5%.
- The number of printable pages varies depending on usage conditions, such as paper size, content of the document (toner density), the number of printed sheets per job, and the number of switching mode between Black & White and colour.
- The printer consumes a certain amount of toner even when it prints a document whose toner density is low.
- If you print a monochrome document in colour mode, Cyan, Magenta, Yellow toners are consumed.
- Printing a short job repeatedly may result in the number of printable pages being reduced to approximately half of the number described here. However, by changing the settings based on your usage conditions, decreasing of the number of printable pages can be mitigated.
- For the purpose of calculating the Toner Cartridge Yield Rate, the Waste Toner Bottle Yield Rate and the Drum Cartridge Yield Rate, an impression means the production of a one-sided (Simplex) print or copy on A4 (or smaller) size paper or A4 equivalent. A two-sided (Duplex) print or copy on A4 (or smaller) size paper or a Simplex print or copy on A3 size paper, shall be considered 2 impressions. A Duplex print or copy on A3 size paper shall be considered 4 impressions. Anything larger than A3 size paper shall be calculated as multiples of A4 size. An impression means the production of a one-sided (Simplex) print or copy on A4 (or smaller) size paper or A4 equivalent. A two-sided (Duplex) print or copy on A4 (or smaller) size paper or a Simplex print or copy on A3 size paper, shall be considered 2 Impressions. A Duplex print or copy on A3 size paper shall be considered 4 Impressions. Anything larger than A3 size paper shall be calculated as multiples of A4 size.
- Staples are not considered consumables and are chargeable. Staples can be ordered at the prices set out at: https://supplies-fbau.fujifilm.com/userHome.do

Excess Consumables

For customers with a contract with FBAU which includes the supply of consumables, consumables used by the customer in excess of the rate of usage specified in this CED are considered excess consumables. Subject to any process set out in your FBAU contract, excess consumables must be paid for at the rates set out on the FBAU Supplies website https://supplies-fbau.fujifilm.com at the time the excess consumables were supplied (unless different pricing has been agreed in writing between FBAU and the Customer with respect to such excess consumables). Consumables usage is calculated per device.

Initial Supplies

Each ApeosPro C810/750/650 Printer is delivered with an initial supply of Toner and all CRUs: Drum Cartridges, Waste Toner Container, and Staples (if applicable). To order additional supplies or media (throughput materials), contact your local sales and service team for information.
Toner and consumables can be ordered by contacting the FBAU Customer Support Centre on 1 800 028 962, or by ordering on the Internet :https://www.fujifilm.com/fbau/supplies.

Installation Planning

Main Components

Printer Components (Base Configuration)

The Printer base configuration is delivered with the following components:

1. Printer with four main trays and bypass tray
2. User Interface
3. External GP Print Server (Mandatory)

Optional Feeding / Finishing

Refer to Dimensions and Weights for Optional Devices.

Print Server Component

GP Print Server for the ApeosPro C810/750/650 Printer.

Module Dimensions and Weights

NOTE: The dimensions listed in the following tables are provided to assist in the installation of the Printer and should not be used to calculate Printer space requirements. Refer to the **Space Requirements / Service Space Envelope** section or **Appendix** (at the end of the document) for the Printer overall space requirements.

Dimensions and Weights for the Printer

Dimensions and Weights				
Configuration	Width	Depth	Height	Weight
Base Configuration	1,099 mm*1	793 mm*2	1,154 mm	246kg*2

*1 with MSI extended (780 mm with MSI closed)
*2 excludes Print Server

Dimensions and Weights for Optional Devices

Module Name	Width	Depth	Height	Weight
HCF B1	389.0 mm	610.0 mm	377.0 mm	29 kg
High Capacity Feeder B1-S	988.0 mm	762.0 mm	992.0 mm	160 kg*1
High Capacity Feeder C3-DS	988.0 mm	762.0 mm	992.0 mm	199 kg*1
Simple Catch Tray (SCT)	423.0 mm	399.0 mm	331.0 mm	4 kg
Offset Catch Tray (OCT)	423.0 mm	399.0 mm	331.0 mm	6 kg
Long Catch Tray (LCT)	941.0 mm	397.0 mm	495.0 mm	5 kg

Module Name	Width	Depth	Height	Weight
C4/C5 Finisher (including Transport Unit V1)	771.0 mm	692.0 mm	1,054.0 mm	45 kg
C4/C5 Finisher with Booklet Maker (including Transport Unit V1)	776.0 mm	692.0 mm	1,054.0 mm	58 kg
Folder Unit CD3	232.0 mm	588.0 mm	992.0 mm	52 kg
Interface Decurler Module D1	340.0 mm	725.0 mm	992.0 mm	40 kg
Inserter D1	700.0 mm*2	725.0 mm	1,235.0 mm	45 kg
Crease/Two-sided Trimmer D2	605.0 mm	725.0 mm	992.0 mm	128 kg
Folder Unit CD2	235.0 mm	725.0 mm	992.0 mm	55 kg
Finisher D6	855.0 mm	725.0 mm	1,200.0 mm	85 kg
Finisher D6 with Booklet Maker	892.0 mm*3	725.0 mm	1,200.0 mm	105 kg
Square Back Fold Trimmer D1	1,066 mm	725.0 mm	552.0 mm	100 kg
High Capacity Stacker A1	800 mm	725.0 mm	1042 mm	155 kg

*1 Excludes Bypass Tray
*2 The width of the module when configured is 170.0 mm
*3 The width of the module when configured with SquareFold Trimmer D1 is 610.0 mm

Print Server Dimensions and Weights

GP Print Server

Module Name	Width	Depth	Height	Weight
GP Stand Alone Controller	98 mm	400 mm	340 mm	7.0 kg
GP Print Server Stand (optional)	680mm	705mm	990mm	31.7 kg

Space Requirements / Service Space Envelope

Service / Operational Space Chart

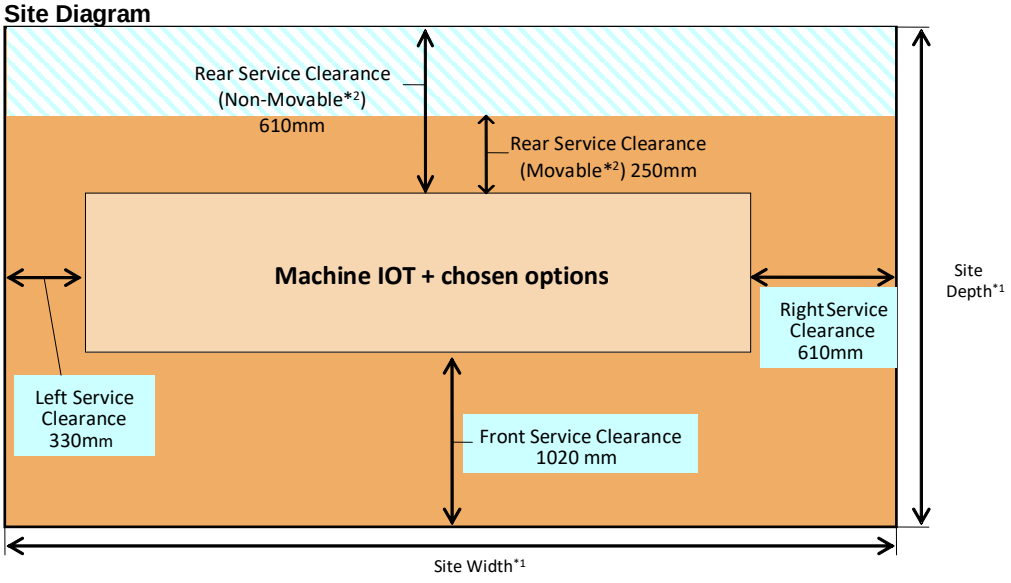
Service/Operational Space	Stationary Installation
(A) Rear of printer	610 mm
(B) Front of printer	1020 mm
(C) Left of printer	330 mm
(D) Right of printer	610 mm

These specifications are based on Occupational Health and Safety (OH&S) standards and allow for the safe and effective operation and servicing of the device, including space for:

- Moveable components, such as draws and doors
- A technician to safely access the device

These space requirements (site width & site depth) are the minimum requirement and compliance with these standards is mandatory for the safety of staff members. Site width and site depth changes with each configuration. Refer to the tables below for actual site requirements for each configuration.

Site Diagram



*1 Refer to the Configuration Dimensions Table below for actual site space requirements for some of the available configurations.
*2 Rear service clearance is measured from the wall to the back of the IOT (not the GP Integrated Server).

. Installation of an Oversize High Capacity Feeder; Finisher C4 w/booklet & folder or Finisher D6 results in a Non-Moveable installation.

Minimum overhead clearance for all installations (Measured from floor to ceiling) = 2,000 mm (H). Actual machine height is 1,155mm.

Configuration Dimensions table (includes recommended service space envelope)

Configuration	Min. Site Space (mm)		Comment (refer to site diagram for dimensions required)
	Site Width	Site Depth	
IOT + Catch Tray	**2143**	**2423**	**Movable Installation**
IOT + C4/C5 Finisher	**2491**	**2423**	**Movable Installation**
IOT + C4/C5 Finisher with booklet maker	**2496**	**2423**	**Non-Movable Installation**
HCF B1 + IOT + C4/C5 Finisher with booklet maker	**2885**	**2423**	**Non-Movable Installation**
IOT + C4/C5 Finisher with booklet maker and Folder CD3	**2728**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + C4/C5 Finisher (with Booklet Maker)	**3484**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + C4/C5 Finisher (with Booklet Maker) with Folder CD3	**3716**	**2423**	**Non-Movable Installation**
IOT + IDM + D6 Finisher (with Booklet Maker)	**2952**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + D6 Finisher (with Booklet Maker)	**3940**	**2423**	**Non-Movable Installation**
IOT + IDM + D6 Finisher (+ Booklet Maker) + Square Back Fold Trimmer	**3736**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + D6 Finisher (+ Booklet Maker) + Square Back Fold Trimmer	**4924**	**2423**	**Non-Movable Installation**
IOT + IDM + INS + D6 Finisher (with Booklet Maker)	**3122**	**2423**	**Non-Movable Installation**
IOT + IDM + INS + D6 Finisher (with Booklet Maker) + Square Back Fold Trimmer	**3906**	**2423**	**Non-Movable Installation**
IOT + IDM + INS + Crease/Two sided trimmer + D6 Finisher (with Booklet Maker)	**3727**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + D6 Finisher (with Booklet Maker & Folder Unit)	**4172**	**2423**	**Non-Movable Installation**

IOT + IDM + D6 Finisher (with Booklet Maker) + Crease/Two sided trimmer + Square Fold Trimmer	**4341**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + D6 Finisher (+ Booklet Maker) + Crease/Two sided trimmer + Square Fold Trimmer	**5329**	**2423**	**Non-Movable Installation**
IOT + IDM + HCS	**2860**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + HCS	**3848**	**2423**	**Non-Movable Installation**
HCF C3-DS + IOT + IDM + INS + HCS + D6 Finisher (with Booklet Maker)	**4910**	**2423**	**Non-Movable Installation**

IOT – Printer
IDM – Interface Decurler Module
INS – Inserter Module
HCS – High Capacity Stacker
Note: If your configuration is not listed, please refer to Dimensions & Weights table to determine the required size. Remember to include the service space in order to determine the total site dimensions.

Floor Specifications

The installation site's floor must meet certain specifications and requirements before the Printer is installed:

- The customer must ensure and approve the floor composition and strength.
- The surface of the floor should be a hard, non-compressible surface, such as bare concrete, wood, or industrial grade floor tile. If the surface is compressible/covered (for example, carpets or non-industrial tile), the covering should be removed from under the printer.
- Mobility (floor) plates are required for any installation occurring on carpeting.
- Additionally, mobility assist devices (supplied by the customer), such as Masonite or plywood, must be used for installations occurring on ceramic tiles, uneven floors (which meet required specifications), or carpeting. The mobility assist devices will ensure that the flooring is not damaged during the installation process.

Mobility Plate Information

All installations occurring on carpeted flooring surfaces require the installation of mobility plates to allow the product to be moved during normal maintenance. The number of mobility plates required depends on the configuration installed, speak to your FBAU Sales representative for more information.

Mobility Plate Kit

Mobility Plate Kits are available – The Kits includes the following contents:

- 4 Bracket assemblies
- 8 Nuts
- 1 set of kit instructions

Mobility Plate Kit	Part #	Plate Size (D x W)	Plate Weight	# of plates per kit
Mobility Plate A	ED200326	913.9 x 500.0 mm	10.5 kg	2 plates
Mobility Plate C	ED200414	913.9 x 750.0 mm	15.4kg	1 plate

NOTE: The relevant number of kits must be ordered for any optional feeding/finishing devices that are attached to the machine.

Electrical Requirements

All press optional accessories and print servers should be placed within 3 metres of wall outlets. Ensure that there are enough wall outlets available for optional accessories and the print server.

Printer Electrical Requirements

Item	Main processor
Nominal Voltage	AC220-240V +/-10%
Amperage circuit	10 A
Frequency (Hz)	50/60Hz Common
Plug/Receptacle	The plug/receptacle should be prepared by customer

Electrical Requirements for Optional Devices

Each optional feeding and finishing device require an additional 210-240 VAC country-specific power receptacles.
NOTE: Use surge protection only as required and is the responsibility of the customer.

Optional feeding / finishing device	Current / Run power	Frequency	Voltage (VAC)
HCF B1	Powered from the Printer		
High Capacity Feeder B1-S	2.0-1.5 A	50/60 Hz	240V +/-10%
High Capacity Feeder C3-DS	4.0-3.0 A	50/60 Hz	240V +/-10%
C4/C5 Finisher (including Transport Unit V1)	Powered from the Printer		
C4/C5 Finisher with Booklet Maker (including Transport Unit V1)	Powered from the Printer		
Folder Unit CD3	1.0-0.6 A	50/60 Hz	240V +/-10%
Interface Decurler Module D1	1.3-0.5 A	50/60 Hz	240V +/-10%
Inserter D1	Powered from Finisher D6 or Finisher D6 with Booklet Maker		
Crease/Two-sided Trimmer D2	4.0-2.0 A	50/60 Hz	240V +/-10%
Folder Unit CD2	1.0-0.6 A	50/60 Hz	240V +/-10%
High Capacity Stacker A1	0.5-1.5 A	50/60 Hz	240V +/-10%
Finisher D6	3.0-1.8 A	50/60 Hz	240V +/-10%
Finisher D6 with Booklet Maker	3.0-1.8 A	50/60 Hz	240V +/-10%
Square Back Fold Trimmer D1	0.8-0.4 A	50/60 Hz	240V +/-10%

Electrical Requirements for the Print Server

GP Print Server

Print Server Item	Requirements
GP Print Server for the ApeosPro C810/750/650 Printer	AC240 V +/- 10 %, 2.5 A – 5.0 A (240 V), 50/60 Hz common

Electrical Installation Considerations

- The power cord must have sole use of the circuit. The outlet/circuit cannot be shared with any other devices or equipment

Electrical Considerations for Optional Devices

- Electrical requirements and space requirements must be satisfied prior to equipment delivery.
- Most optional devices have their own power cord and must be plugged into an outlet separate from the Printer.
- Ensure that there are enough wall outlets for each required accessory.

Electrical Considerations for Print Server

- Electrical requirements and space requirements must be satisfied prior to equipment delivery.
- Ensure that there is an available wall outlet for the print server and screen.
- Two network drops are required for installation of Printer and Print Server.
- The customer is responsible for configuring the print server to the network.

Environmental Requirements

Item	Minimum	Maximum	Recommended
Temperature	10° C	32° C **NOTE:** Temperatures above 32° C require reduced relative humidity to maintain the specific/optimal performance.	20-24° C **NOTE:** Better performance is achieved when environmental conditions are maintained at these temperatures.
Relative Humidity (RH)	15%	85%	45%

General Installation Requirements

- The product should not be exposed to direct sunlight, external heat sources, excessive dust or vibration.
- Do not operate the machine in a poorly ventilated room.

Noise Emission

Noise levels have been tested has been measured according to the ISO07779 standard.

Item	Mode	ApeosPro C810		ApeosPro C750		ApeosPro C650	
		Main body	Full System*1	Main body	Full System*1	Main body	Full System*1
Standby LwAd (measure: B) *2	BW/FC	4.76	4.89	4.76	4.89	4.76	4.89
Operating LwAd (measure: B) *2	BW	6.26	7.19	6.33	7.21	7.28	8.25
	FC	7.32	8.25	7.28	8.25	7.29	8.22
Operating LpAm *3 (measure: dB) (used a reference value)	BW	55.8	62.7	55.4	62.6	54.9	62.7
	FC	55.7	62.6	55.3	62.9	55.3	62.9

*1: Full system configurations: PF3.5 Advanced HCF + IOT + PF1.01 DADF + CDM + IP + HCS + CZ Folder + D6 Booklet Finisher + TSF + TCBM + DFE *4

*2 : LwAd : A-weighted sound power level= measurement value LwA (1 unit)+0.3B

*3 : LpAm : A-weighted radiated sound pressure level)

Operational Considerations

Image Quality Expectations

- The ApeosPro C810/750/650 Printer is designed to produce consistent uniform prints and copies in the product's specified Average Monthly Print Volume range.
- The ApeosPro C810/750/650 Printer is designed to produce a uniform image. Image Quality is subjective and can be impacted by lighting and is strongly influenced by paper quality.
- As with any printing process, artifacts will occur. These include streaks, mottle, banding, spots, etc. For most jobs and clients, the expected level of artifacts is within the normal operational and component quality ranges of the system and will not affect the acceptability of the job. Maintenance procedures are available to mitigate these artifacts.
- Artifacts may occur with more frequency when running heavyweight coated media.
- Colour quality perception is subjective and will be affected by ambient lighting conditions.
- The appearance of the document displayed on the monitor screen may not match the output print because the RGB monitor uses different Colour space parameters to the printer (CMYK).
- The customer is responsible for calibrating the ApeosPro C810/750/650 Printer.
- Image quality is strongly influenced by paper surface structure, texture, and colour. To ensure that your customers are optimally satisfied, key applications should be printed on the printer using representative paper and reviewed by the customer.

Embossed papers printing

When you switch from one type of paper to embossed paper for printing, the printer will automatically initate image quality adjustments which take approximately 1-3 minutes. You cannot use the printer during that time.

Print quality on Thick/Embossed papers or papers with static electricity may produce different results even if the paper weights are within the spec.

Print quality

The ApeosPro C810/C750/C650 uses Super EA-eco toner. A gloss enhancing function is also provided.

Print quality on Thick/Embossed papers or papers containing static electricity may produce different results even if the paper weights are within the spec.

If you print with Black toner only, roughness or unevenness may occur due to irregularity of paper fibers The effect may be decreased by using smooth paper or printing in colour.

The print quality may be affected by paper cutting waste residue, paper powder and the coated paper's particles which may generate" white-spots", this affecting image quality

The printers image quality adjustment program is determined by averaged area coverage of the most recent 5000 sheet (converted to A4 size). The image quality adjustment is implemented after printing/copying, that may dealy the next printing/copying job.

The printing does not start during mage quality adjustment. The next print will start automatically after mage quality adjustment.

When devices that release organic solvents, such as a laminating or UV coating machines are installed in the vicinity of the press, the organic solvent may lead to deterioration of the drums in the press and cause image banding. When using such devices, please install the press in a separate room or keep a sufficient distance from the press and ventilate the room adequately.

If tap water or well water is used with ultrasonic humidifiers, the impurities in the water will be released into the air and may adhere to the inside of the press, resulting in poor print quality. If you use an ultrasonic humidifier, use water that does not contain impurities.

Printing Expectations

The maximum rated print speed may be affected by job types and job settings. Productivity may be affected by the printer cycling-down / cycling-up within or between jobs, and finishing options that are selected for a particular job.
Overall productivity may also decline due to the printer pausing to make adjustments to maintain consistent image quality.

Factors Affecting Productivity and Rated Print Speed

The rated print speed refers to the maximum print or copy speed enabled for the printer. Over the course of a print job, the printer will perform automatic process adjustments in order to maintain consistent Image Quality. As a result, actual productivity for a job may be less than the rated speeds shown. The actual print speed (ppm) achieved depends on a number of factors including the stock type, stock size, and number of sheets in the job.

Envelopes

Envelope Feeding Guidelines and Limitations

- Envelope Basis Weight must be between 75 to 90 gsm.
- Bypass tray can handle SEF stacks of 20 - 30 envelopes.
- Stacking capacity in SCT varies from approx. 30 to 50 envelopes.
- For envelopes with glue/seal, close the flap and turn the flap forward to envelope feeding direction with the envelope printing surface facing up.
- For envelopes without glue/seal, open the flap and turn the flap backward to the envelope feeding direction and put the envelope printing surface facing up.
- Frequent jams or damage may occur with certain size envelopes and flap designs.
- Image Quality may be compromised when running various flap and seam designs.
- Please be aware that envelopes are not intended to be a primary media for this product.
- Maximum reliable LEF / flap open exit tray stack height is less than 10 envelopes.
- Other variables that can affect envelope feeding performance:
    - Envelope brand, size, weight, and seam configuration.
    - Flap design, size, and shape.
    - Orientation of Flap in feed trays – Inboard or Outboard.
    - Storage / environmental conditions and age of envelopes.
    - Output devices used.

Banner Printing (longer than 488 mm)

- Banner printing is only capable via the Multi Sheet Inserter tray
- Paper Weight range from 52 to 220 gsm (Uncoated paper) and from 106 to 220 gsm (Coated paper).
- Registration is not guaranteed for papers fed from the Bypass tray and for stock longer than 488mm.
- A banner size sheet less than 210mm width will not stack properly in the Long Catch Tray due to the guide width.
- If you feed coated long papers from Bypass tray, it may cause mis-feeding. To reduce mis-feeding, please feed the paper one by one.
- Print paper is ejected to Offset Catch Tray, Long Catch Tray, and High Capacity Stacker's Output Tray, Finisher C4/ C5/ Finisher C4/C5 with Booklet Maker, and Finisher D6/Finisher D6 with Booklet Maker (Top Paper Tray). If you have more than one output tray, it is recommended to print out to the top output tray closest to the printer.
- The paper holding capacity after printout is not guaranteed. If you print them out to Offset Catch Tray please remove sheets as quickly as possible.
- Finishing features (Staple, Saddle Staple, Fold, Punch, Two-sided Trim, and Crease) for long paper are not supported.
- Compare with 488mm or smaller papers, long papers are less precise in registrations.
- Since the paper skew in banner prints can be more pronounced, image losses may occur depending on the image size placed on the paper.
- There is an increased risk of paper jams when running sheets greater than 488 mm.
- Sheets greater than 488 mm have an increased risk of creasing and wrinkling.

Cautions/Limitations

Default setting of power mode

The default power mode setting is that the printer will switch to low power mode in 1 minute and sleep mode in another 1 minute after printing.

For ease of usage, it is recommended to set "Low power mode to 30 minutes after finishing printing and then sleep mode to 30 minutes.

The timing can be extended to 120 minutes using administrator settings, however this can impact the life of the fuser and is not recommended.

Main power switch

Do not turn off the main power immediately after pressing the power on switch.
If the main power is turned off when the printer is hot, the printer will not cool down and may have further quality defects.
Be sure to turn off the main power after the <POWER SAVE> button on the operation panel turns off. Cooling may take up to 40 minutes.

Paper Registration

Paper (width less than 141.2 mm) has lower quality registration than paper with longer width. The accuracy of the front and back registration is affected by paper cutting process.
Paper registration is not guaranteed for papers from Multi Sheet Inserter.

Duplex Printing (Auto)

Auto duplex printings are NOT possible in the following cases.

- Paper Weight, more than 300 gsm
- Paper Length, 762.1mm or more
- Film
- Transfer Paper
- Tab Paper
- Label Paper
- Adhesive Paper
- Envelope

Support

Customer Support

eSupport

Our internet-based support system can be accessed at http://www.fujifilm.com/fbau/support and includes a number of services:

Online Support Assistant

The Online Support Assistant allows users to obtain instant self-help, step-by-step instructions and information on FBAU products 24 hours a day, 7 days a week.

My Account

My Account provides access to information about your account. You can view your invoice details, submit your meter readings, order toner or request machine relocations.

Online Supply Ordering

For a full range of products, you can access the site directly at www.fxs.com.au.

Remote Services

Production Remote services will be enabled at machine install and provides FBAU with up to date information about the machine's current state, including:

- Quick identification of potential technical problems
- Quick and accurate diagnoses of technical problems
- Ordering of replacement parts ahead of time
- Faster resolution of issues, often occurring in less time than sending a service engineer

A PRS security white paper is available on request from your account manager

Please note: Device status data is sent via a secure internet connection between the machine and FBAU using Secure Socket Layer (SSL) protocols and 128-bit encryption; only machine performance information is sent to FBAU through this connection. Remote services may not be available in all areas.

Customer Support Centre

The FBAU Customer Support Centre is available 24/7 for all service calls and for customer application requests. You can contact them directly on 1 800 028 962.

Customer Training

FBAU will provide on-site training (standard) for up to two (2) participants with the delivery of our equipment. Customer Training is valid for 3 months after the date of installation. Additional or repeat training is available by contacting FBAU Australia on 1800 028 962 (charges and conditions apply)

The duration of the standard ApeosPro C810/750/650 Customer Operator course is 1.5 days in total. (Standard installation for the Engineer and Analyst is additional/separate to the 1.5 days)

The customer and FBAU may agree to spread training over various sessions to better allow for absorption of information and to give the opportunity for operators to become familiar with the FBAU solution.

The standard Customer Operator course covers the following topics:

- Training Needs Analysis
- Customer Expectations Document (CED)
- Engine Overview
    - Optional Feeders/Finishers
- Document Messaging Platform (DMP)
    - Log in / Log Out – Tools mode
    - Custom paper profiles
    - Alignment adjustment
    - Transfer adjustment
    - Fold & Staple adjustment
    - Paper curl adjustment
    - All Services – Web Applications
    - Calibrate with Simple Image Quality Adjustment (SIQA)
    - Loading printer drivers
- Managing GP Server Software (where applicable)
    - Job Submission
    - Operating Jobs
    - Job Imposition and Layout
    - Job Finishing/Output
    - Image Quality
    - Color Management
    - Hot Folders and Templates
- FBAU 24 hours by 7 days a week online website support: www.fujifilm.com/fbau/support
- Remote Workflow (if applicable)
- Workflow discussion & Wrap up
- Skills Assessment
- Course evaluation

FBAU Australia also offers a range of additional industry related courses to assist customers in better understanding the technology, the industry, and assistance in exploring new opportunities. For further details, please contact your FBAU Account Representative.

Business Validation Document

The Business Validation Document attached to the end of this document will be used to ensure the site requirements are met, prior to product installation. The BVD will be completed by a FBAU representative.

FUJIFILM

For more information or detailed product specification, please call or visit us at

FUJIFILM Business Innovation Australia Pty Ltd

8 Khartoum Road MACQUARIE PARK NSW 2113 Australia
Tel. 13 14 12
www.fujifilm.com/fbau

FUJIFILM

Business Validation Document

ApeosPro C810/750/650 Printer with GP Print Server

CSO-FN-BVD-074

File Number: .....

Customer Name: .....

Proposed Delivery Date: .....

Order Number: .....

Supplied FBAU Documents

Customer Expectation Document Version: .....

Install Planning Guideline: Version: .....

The customer acknowledges that they have read and understood the supplied Customer Expectation Document .....

Customer Initials

Crew Visit

☐ Check box if **Crew Visit** is required.

Remote Services

Remote Services will be automatically enabled on your product. If Remote Services are not required, please identify your concerns below:

……
……
……

Customer: .... Date: .....

Name Job Title Signature

Sales: .... Date: .....

Name Job Title Signature

CSO Representative: .... Date: .....

Name Job Title Signature

1. General Information

Company .....

Address .....

Suburb ..... State ..... Post code .....

Contact ..... Phone / Fax .....

System Administrator ..... Phone / Fax .....

Business type: ☐ Printer ☐ Pre-Printer ☐ Copy Centre ☐ Corporate ☐ Other .....

Software Applications (Word / Xprinter) .....

2. General Site Requirements Checklist

Yes ☐ No ☐ Customer is aware that the majority of all installations are non-moveable configurations. This includes equipment installed on concrete floors.

Yes ☐ No ☐ The person responsible for the IT network will be present at the time of install.

Yes ☐ No ☐ Equipment will be delivered on ground floor *(If no, please review Stair Climbing/Crane Check List below)*

3. Stair Climbing / Crane Check List

Yes ☐ No ☐ Will the equipment be delivered to a location which is not at street level? If the answer is no, no need to stair climb. If the answer is yes, continue with this section.

Yes ☐ No ☐ Is there an elevator that will accommodate the weight and dimensions of the IOT and delivery personnel? If the answer is yes, no needs to stair climb. If the answer is no, please continue with this form. *IOT weight = 246 kg, IOT dimensions = 1099mm Width x 793mm Depth, x 1,154mm Height.*

Yes ☐ No ☐ Is the staircase wide enough to accommodate the stair climber and the IOT or other modules? If the answer is yes, continue with this form. If the answer is no, the IOT must be brought into the install location by crane. *IOT dimensions = 1099mm Width x 793mm Depth, x 1,154mm Height.*

Yes ☐ No ☐ Are there any permanent overhead obstructions along the staircase? If the answer is no, continue with this form. If the answer is yes, measure from the bottom of the obstruction to the corner of the step just below (where the riser meets the tread). This measurement must allow clearance of the stair climber, the IOT or paper handler and blankets. *For the IOT, this measurement must measure 1820mm, plus allow for clearance between the top of the step to the bottom of the obstruction. For the paper handler, this measurement must allow for clearance between the top of the step and the bottom of the obstruction.* If the measurement allows clearance, continue with this form. If the measurement does not allow clearance, the IOT or paper handler must be brought into the installation location by crane.

Yes ☐ No ☐ Can the doorways at the top and bottom of the staircase accommodate the dimensions of the IOT? If the answer is yes, the equipment can be stair climbed. Please check the "stair climbing equipment required for delivery" box below. If the answer is no, the doorways must be enlarged to allow for passage of the IOT or the paper handler or the equipment must be brought into the install location by crane.
If after completing all the questions in this section, it is determined that the equipment can be stair climbed or craned check the relevant box.

STAIRCLIMBING EQUIPMENT REQUIRED FOR DELIVERY ☐
CRANE EQUIPMENT REQUIRED FOR DELIVERY ☐

4. Notes: Site Alteration / Furniture / Equipment Relocation

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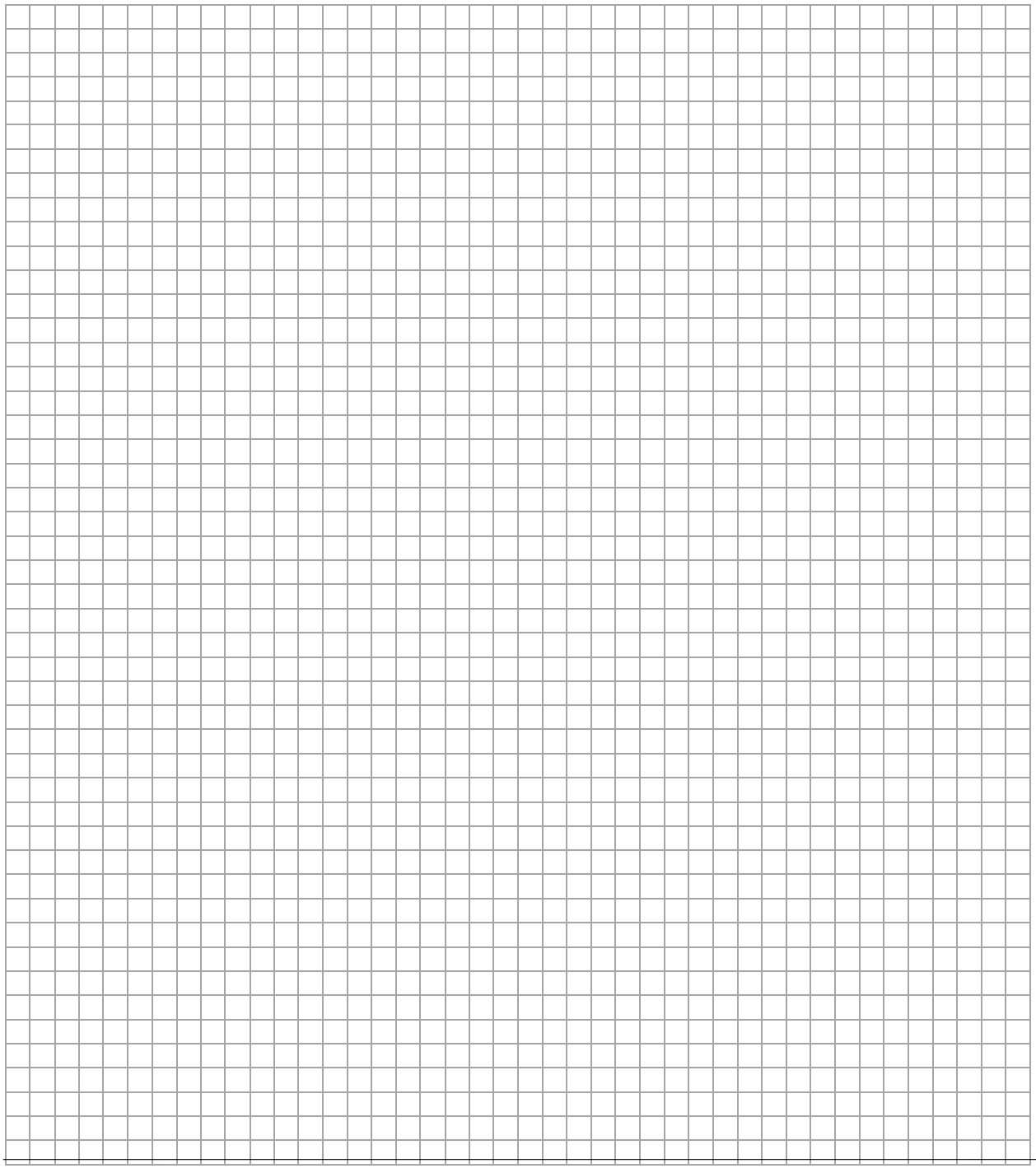
5. Required Service Coverage (Additional charges will apply for after-hours service coverage):

☐ Standard ☐ Stand-by ☐ Other

Specify: .....

Site diagram



For more information or detailed product specification, please call or visit us at

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