

Product Support Guide D129 / D130

Introduction

Model Type

B/W MFP

Launch Date

02/2012

S/N Configuration

W52 / W53

Product Code

D129 / D130

Brand/Model Name

Product Code	Lanier	Ricoh	Savin
D129	MP 4002 MP 4002SP	Aficio MP 4002 Aficio MP 4002SP	MP 4002 MP 4002SP
D130	MP 5002 MP 5002SP	Aficio MP 5002 Aficio MP 5002SP	MP 5002 MP 5002SP

Product Concept

The strategic goal for the Aficio MP 4002/MP 5002 Series is to enhance Ricoh's competitiveness by bridging the gap between the conventional office user and the paradigm shift taking place in the industry with companies requiring mobile printing support and access to cloud based solutions, as well as a robust and flexible device management solution. The Aficio MP 4002/MP 5002 Series is poised to meet these demands and is a critical component of our Services Led initiatives



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Main Frame

Item	Model Name	EDP Code	Notes
D129	MP 4002 Aficio MP 4002	415955	Mainframe includes 2 x 550 Sheet Paper Trays, 512 MB RAM, 100-Sheet Bypass Tray, 100-Sheet ARDF, Duplex, HDD Encryption, DOSS (the standard DOSS included with the mainframe is not ISO 15408 certified).
D129	MP 4002SP Aficio MP 4002SP	415956	Printer and Scanner model of above. includes standard color scanning and 128GB HDD, Java card
D130	MP 5002 Aficio MP 5002	415957	Mainframe includes 2 x 550 Sheet Paper Trays, 512 MB RAM, 100-Sheet Bypass Tray, 100-Sheet ARDF, Duplex, HDD Encryption, DOSS (the standard DOSS included with the mainframe is not ISO 15408 certified).
D130	MP 5002SP Aficio MP 5002SP	415958	Printer and Scanner model of above. includes standard color scanning and 128GB HDD, Java card
D129	MP 4002G Aficio MP 4002G	415979	Mainframe includes 2 x 550 Sheet Paper Trays, 512 MB RAM, 100-Sheet Bypass Tray, 100-Sheet ARDF, Duplex, HDD Encryption, DOSS (the standard DOSS included with the mainframe is not ISO 15408 certified). Government Version
D129	MP 4002SPG Aficio MP 4002G	415980	Printer and Scanner model of above. includes standard color scanning and 128GB HDD, Java card
D130	MP 5002G Aficio MP 5002G	415981	Mainframe includes 2 x 550 Sheet Paper Trays, 512 MB RAM, 100-Sheet Bypass Tray, 100-Sheet ARDF, Duplex, HDD Encryption, DOSS (the standard DOSS included with the mainframe is not ISO 15408 certified). Government Version
D130	MP 5002SPG Aficio MP 5002SPG	415982	Printer and Scanner model of above. includes standard color scanning and 128GB HDD, Java card

NOTE: Order numbers are provided for reference purposes only. Please use your Pricing Guide for proper order numbers to insure you receive the correct product.

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Order Numbers

Options

Item	Description	EDP Code	Product Code	Common / Unique
PostScript3 Unit	PostScript3 Unit Type 5002	416149	D641	U
Fax Unit	Fax Option Type 5002	416156	D629	U
G3 Interface Unit	G3 Interface Unit Type 5002	416161	D629	U
Paper Feed Unit	Paper Feed Unit PB3130	415793	D580	C (D120)
Large Capacity Tray 2000	Large Capacity Tray PB3140	415795	D581	C (D120)
Large Capacity Tray 1200 ¹	Large Capacity Tray RT3020	415984	D631	U
Bridge Unit	Bridge Unit BU3060	415988	D634	U
1 Bin Tray	1 Bin Tray BN3100	415986	D632	U
ARDF ²	ARDF DF3070	416021	D630	U
Java VM Card	Java VM Card Type U	416163	D460	U
File Format Converter	File Format Converter Type E	414007	D377	C (D009)
IEEE802.11a/g Interface Unit	IEEE802.11a/g Interface Unit Type J	414008	D377	C (D009)
Internal Shift Tray	Internal Shift Tray Type SH3060	415987	D633	U
Gigabit Ethernet	Gigabit Ethernet Board Type A	402547	G874	C (D009)

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Item	Description	EDP Code	Product Code	Common / Unique
IEEE1284 Interface Board	IEEE1284 Interface Board Type A	411699	B679	C (D009)
2000 Sheet Booklet Finisher	Booklet Finisher SR3110	416007	D637	U
1000 Sheet Finisher	Finisher SR3090	415804	D588	C (D120)
3000 Sheet Finisher	Finisher SR3120	416008	D636	C (D009)
Side Tray	Side Tray Type C5502	415989	D635	U
Platen Cover	Platen Cover Type 3352	415809	D593	C (D120)
Bluetooth	Bluetooth Interface Unit USB	415818	D566	C (D120)
MFP Browser Option	Browser Unit Type I	416204	D640	U
FAX SAF Memory	Memory Unit Type B 32MB	001342MIU	G578	C (D009)
Key Counter Bracket	Key Counter Bracket Type H	412552	A674	C (D009)
Fax Connection Unit	Fax Connection Unit Type A	416207	D629	U
Punch Kit for US 2/3 hole	Punch Kit Type 3030 NA 2/3	416325	D570	C (D009)
Optional Counter Interface Unit	Optional Counter Interface Unit Type A	413012	B870	C (D009)
FAC 56 Cabinet	FAC 56 Cabinet	416407	N/A	C(D009)

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Item	Description	EDP Code	Product Code	Common / Unique
Removable Hard Drive (RHD)	Type MP 5002 RHD	007100MIU	N/A	U
Additional Removable Hard Drive (ARHD)	Type MP 5002 ARHD	007101MIU	N/A	U
IPDS Unit	IPDS Unit Type 5002	416152	D641	U
Hard Disk Drive	Hard Disk Drive Option Type 5002	416155	D640	U
Printer Scanner Option	Printer/Scanner Unit Type 5002	416140	D641	U
Copy Data Security Unit	Copy Data Security Unit Type G	416391	D640	U
Card Reader Bracket	Card Reader Bracket Type 3352	415814	D593	C(D120)
DOSS Type I	Data Overwrite Security Unit Type I	416372(*3)	D362-12	U
Handset	Handset Type C5502	416324	D654	C(D120)
ADF Handle	ADF Handle Type C	416213	D593	C(D120)

(*1)RT3020 LCT cannot be used with the FAC 56 Cabinet

(*2)ARDF Standard for North America Market

(3) EDP Code 416372 must be used. Not compatible with older Type I DOSS

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Supplies/Yields

Item	Name	Order Code	Target Yield
Ricoh Lanier Savin			
Toner	Toner MP 4500/8045e/LD345	841346	30k prints/bottle
Developer**	Developer Black	B2969640	320k/bag
Drum**	Drum	D0099510	160k
Ricoh			
Staple Type K	Staple Set Cartridge for SR3090/3110/3120	410801	1 x 5,000/Ctn.
Staple Type K Refill	Staple Refill Cartridge for SR3090/3110/3120	410802	3 x 5,000/Ctn.
Staple Set Type L	Staple Set Cartridge for 3110 (Saddle Stitch)	411240	1 x 2,000/Ctn.
Staple Refill Type L	Staple Refill Cartridge for 3110 (Saddle Stitch)	411241	4 x 2,000/Ctn.
Lanier			
Staple Type K	Staple Set Cartridge for SR3090/3110/3120	410801	1 x 5,000/Ctn.
Staple Type K Refill	Staple Refill Cartridge for SR3090/3110/3120	410802	3 x 5,000/Ctn.
Staple Set Type L	Staple Set Cartridge for 3110 (Saddle Stitch)	411248	1 x 2,000/Ctn.
Staple Refill Type L	Staple Refill Cartridge for 3110 (Saddle Stitch)	411249	4 x 2,000/Ctn.
Savin			
Staple Type K	Staple Set Cartridge for SR3090/3110/3120	410803	1 x 5,000/Ctn.
Staple Type K Refill	Staple Refill Cartridge for SR3090/3110/3120	410804	3 x 5,000/Ctn.
Staple Set Type L	Staple Set Cartridge for 3110 (Saddle Stitch)	411242	1 x 2,000/Ctn.
Staple Refill Type L	Staple Refill Cartridge for 3110 (Saddle Stitch)	411243	4 x 2,000/Ctn.

*A4, 6% chart is used to measure the above yield. Storage period for toner is max. 1 year.

** Part Number

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Option Compatibility

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	ARDF	•																							
2	Platen Cover	•	•																						
3	1K Finisher (*2)			•	•	Δ				○	•														
4	3K Finisher (*2)			•	•	Δ				○															
5	Booklet Finisher (*2)			•	•	Δ				○															
6	Paper Bank (*2)			Δ	Δ	Δ	•																		
7	LCT 1200 (*4)					Δ	Δ																		
8	LCT 2000					•																			
9	One Bin Tray																								
10	Bridge Unit			○	○	○																			
11	Punch Unit			•	○	○																			
12	Fax Unit												○	○	○										
13	G3 Unit (*5)												○	○											
14	Handset (*5)												○	○											
15	SAF 32MB Memory (*5)												○	○											
16	PS3																								
17	IEEE 1284 (*1)																		Δ	Δ	Δ	Δ			
18	IEEE 802.11 (*1)(*3)																		Δ	Δ	Δ	Δ	Δ		
19	Gigabit Ethernet Board (*1)(*3)																		Δ	Δ	Δ	Δ	Δ		
20	Bluetooth (*1)																		Δ	Δ	Δ	Δ	Δ		
21	File Format Converter(*1)																		Δ	Δ	Δ	Δ	Δ		
22	Shift Tray																								
23	HDD Encryption																								
24	Key Counter Bracket																								

- Must Install Together • Cannot Install Together Δ Refer to note below
- (*1) IEEE802.11b, File Format Converter, IEEE1284, Bluetooth: cannot be installed at the same time.
- (*2) Can be installed with FAC 56 Cabinet, Paper Bank, or LCT 2000.
- (*3) NIC, Gigabit Ethernet and IEEE802.11b cannot be used at the same time.
- (*4) LCT 1200 cannot be installed with FAC 56 Cabinet.
- (*5) Fax Unit required.

Branding Information

Branding is required as the machines are shipped as a generic version.

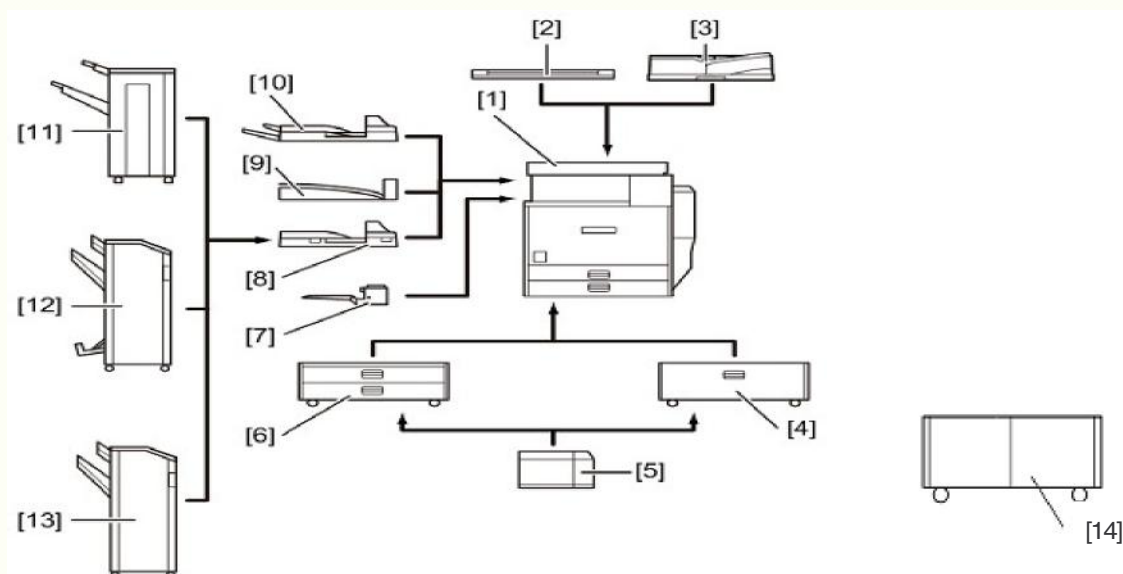
Ricoh version machines: You must attach the model label (provided) to the front cover.

Savin/Lanier: You must attach the model label (provided) to the front cover and set the Plug and Play name with SP 5-907.

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Configuration



Main Frame Configuration

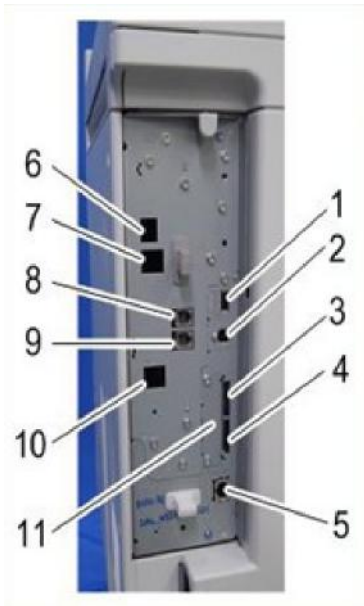
No.	Item	Comments
1	Main Machine D129 D130	
2	Platen Cover (D593)	ARDF Standard - Platen cover optional
3	ARDF (D630)	ARDF Standard - Platen cover optional
4	2000 Sheet LCT (D581)	Cannot be installed with FAC 56 Cabinet.
5	1200 Sheet LCT (D631)	Cannot be installed with FAC 56 Cabinet.
6	2 tray Paper Bank (D580)	Cannot be installed with FAC 56 Cabinet.
7	1 Bin Tray (D362)	
8	Bridge Unit (D6340)	Can not be installed with shift tray
9	Internal Shift Tray (D633)	Can not be installed with bridge unit
10	Side Tray (D365)	Can not be installed with finisher
11	1000 Sheet Finisher (D588)	Requires the bridge unit and two-tray paper feed unit or 2000-sheet LCT or Cabinet.
12	2000 Sheet Booklet Finisher (D367)	Requires the bridge unit and two-tray paper feed unit or 2000-sheet LCT or Cabinet.
13	3000 Sheet Finisher (D636)	Requires the bridge unit and two-tray paper feed unit or 2000-sheet LCT or Cabinet.
14	Cabinet	

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MFP Options

MFP Option Board Slot / SD Card Assignments



OPTION	SLOT	Notes
PostScript3 Option	SD Upper (3)	If other options are installed in Slot 3, the Postscript card can now be merged.
VM Card	SD (3) or (4)	Standard with SP Model. Comes installed to Slot Upper (3) with P/S card. Optional with Base Model. Install Slot Lower (4) or Merge
IEEE 80211a/g Type J	11	Only one option can be installed in slot 11.
Bluetooth	1	Can not be combined with IEEE 802.11
File Format Converter Type E	11	Only one option can be installed in slot 11.
Gigabit Ethernet Type A* 1	11	Only one option can be installed in slot 11.
USB Printing	2	USB Printing Port
USB Host	1	External Keyboard
Ethernet	5	

The following options are provided on SD cards.

- Two SD card slots are available. If more than two options need to be installed, the applications can be moved to one SD card with SP5873-1.

Printer/scanner unit: New

- SP models: Included with the machine (in SD card slot 1). Card also contains VM and PDF Direct. No installation or setup needed.

- Basic models: Option (SD card slot 1 or 2). Contains PDF Direct

VM card: New

- SP models: Include VM on the printer/scanner SD card, which is shipped with the machine in slot 1.

- Basic models: Option

Postscript 3: New

- Contains PDF Direct. Goes in SD card slot 1 or 2

Note: PostScript 3 and PDF Direct can now be moved to another SD card. In previous models, this is not possible because of licensing restrictions.

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Feature Comparison To Previous Version

Additional New Features added from previous model (D009/D091):

Work flow Improvement:

- -Customizable Home Screen
- -MFP Full Browser(opt)
- -External USB Keyboard Support (including embedded functions) (Changed in SP Mode)
- -Auto Job Promotion
- -Enhanced Media Print
- -Scheduled Print
- -Layout+Booklet Print
- -Banner Page Print
- -JBIG2 Compression Support
- -Reduce/Enlarge Scan
- -Enhanced Batch Scan
- -Split Scan from Book Type original
- -Import/Export of Preference Settings
- -Expanded the number of User Code
- -Scheduling of Quota Management
- -Home folder over LDAP
- -Setting Bypass Tray as Priority Tray
- -QWERTZ Layout Keyboard support
- -Newly Supported languages: Brazilian Portuguese/Greek

TCO Reduction

- -Fax Connection Option Type A (opt)
- -Separate A3/DLT counter

Environment

- -Information Screen (Eco-Friendly Indicator)

Security

- -Unauthorized Copy Control(PCL6/PS)
- -Enhanced Print Functions using HDD
- -Mandatory Security Information Print
- -Output Mode Switch Timer for Received FAX
- -Enhanced Encryption Level (AES256bit,SHA-2)

Compliance

- -Bates Numbering
- -Scan to PDF-A digitally signed PDF
- -Introduction of accessibility features

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Installation

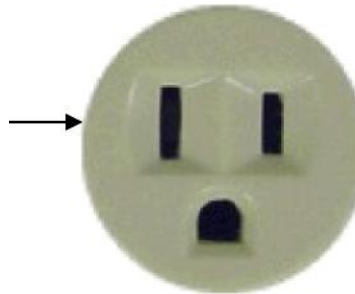
Installation Requirements

- Temperature Range: 10° C to 32° C (50° F to 89.6° F)
Humidity Range: 15% to 80% RH
Ambient Illumination: Less than 1,500 lux (do not expose to direct sunlight)
Ventilation: Room air should turn over at least 30 m³/hr/person
Ambient Dust: Less than 0.10 mg/m³
Avoid areas exposed to sudden temperature changes:
Areas directly exposed to cool air from an air conditioner.
Areas directly exposed to heat from a heater.

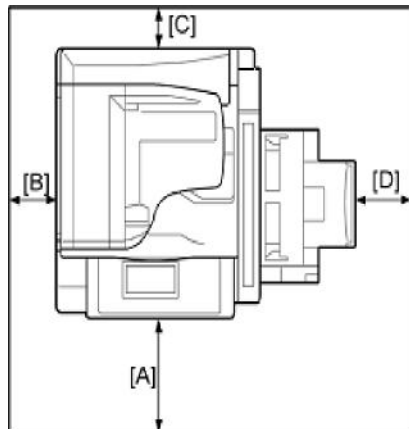
- Do not place machine where it will be exposed to corrosive gas or vapor.
Do not install the machine at any location over 2,000m (6,500 ft.) above sea level.
Place the machine on a strong and level base. Inclination on any side should be no more than 5mm (0.2")
Do not place the machine where it may be subject to strong vibrations.
Machine level
- Front to back: within 5mm (0.2") of level
 - Right to left: within 5mm (0.2") of level

Power Requirements

- Input voltage level: 110 - 120 V, 60Hz: 12A
Do not place anything on power cord.
The required wall outlet is a NEMA 5-15R (receptacle)



Space



- A (Front) >75 cm (30")
- B (Left) >10 cm (4")
- C (Rear) >10 cm (4")
- D (Right) >55 cm (22")

The recommended 750 mm (30") front space is sufficient to allow the paper tray to be pulled out. Additional front space is required to allow operators to stand at the front of the machine.

Foot Print

Dimensions (W x D x H): 670 mm x 677 mm x 910 mm (26.3" x 26.8" x 36.1")
Measurement Conditions: With bypass feed table closed, optional PTU and with ARDF.
With optional LCT 1200 - add 348 mm (13.7') to the width.

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Power Consumption / Noise Emission

Power Consumption

Model	Configuration	Power consumption	BTU
D129 D130	Main unit only	Under 1580 Watts (max)	5931.2
	Full Configuration	Under 1584 Watts (max)	5404.8

Noise Emission

Sound	Condition	Model	Main Unit
Sound Power Level (Mainframe Only)	Stand-by	D129	Less than 45db
		D130	Less than 48db
	Copying	D129	Less than 70db
		D130	Less than 72db
Sound Power Level (Full System)	Stand-by	D129	Less than 45db
		D130	Less than 48db
	Copying	D129	Less than 74db
		D130	Less than 76db
Sound Pressure Level (Mainframe Only)	Stand-by	D129	Less than 39db
		D130	Less than 42db
	Copying	D129	Less than 64db
		D130	Less than 66db
Sound Pressure Level (Full System)	Stand-by	D129	Less than 39db
		D130	Less than 42db
	Copying	D129	Less than 68db
		D130	Less than 70db

- Sound power level and sound pressure level are actual values measured in accordance with ISO 7779.
- Sound power level and sound pressure level are measured from the position of the bystander.
- The complete system consists of the main unit, booklet finisher, ADF, bridge unit, internal tray 2, and paper tray unit.

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Installation Times

Mainframe : 30 Minutes

Unit	Installation Time (Minutes)	Unit	Installation Time (Minutes)
ARDF	15	File Format Converter	10
Paper Bank	10	IPDS	5
1 bin Tray	20	FAX Option	10
Booklet Finisher-2000	15	IEEE802.11b	5
Finisher-1000	10	Bluetooth	5
Finisher-3000	15	LCT 1200 sheet	10
Bridge Unit	10	Side Tray Unit	10
LCT 2000 sheet	10	Shift Tray Unit	10

Storage/Transportation

	Storage	Transportation
Mainframe	-30 to 50° C (-22 to 122° F) *1, Under 80% RH *2 12 months from the production date *3	-30 to 50°C (-22 to 122° F) *1 15 to 95%RH *2
Toner and Developer Storage	Environment Under 35° C (95° F) 15% to 80%RH 36 to 40° C (96.8 to 104°F) 15% to 80%RH 41 to 50° C (105.8 to 122°F) 15%	Time - 24 month from the production date - 1 month from the production date - 12 hours from the production date

*1: When stored or transported under 0°C, temperature conditions must be higher than outside air temperature.

*2: Please avoid the direct sunlight when stored or transported.

*3: Unopened status

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Parts / Special Tools / Maintenance

PM Parts / Yields

Mainframe

Unique/Common
U: Unique for this model
C: Common with listed model

*1 part of the PM Kit #: PMD009160k

*2 part of the PM Kit #: PMD009320k

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
Around the drum				
AD027012	Charge Roller * 1 * 2	1	160k	C (D009)
G7902329	Brush Roller – Cleaning * 1 * 2	1	160k	C (D009)
AD025021	Pick-off Pawl * 1 * 2	2	160k	C (D009)
D0092351	Cleaning Blade – First * 1 * 2	1	160k	C (D009)
D0099510	OPC Drum * 1 * 2	1	160k	C (D009)
Development				
D0093084	Development Filter: front * 1 * 2	1	160K	C (D009)
D0093085	Development Filter: rear	1	160K	C (D009)
D0093086	Development Filter * 1 * 2	1	160k	C (D009)
B2969640	Developer Black	1	320k	C (D009)
Transfer Belt Unit				
A2323880	Transfer Belt * 1 * 2	1	160k	C (D009)
AD041135	Cleaning Blade - Transfer Belt * 1 * 2	1	160k	C (D009)
Fusing Unit				
AE011132	Hot Roller * 1 * 2	1	160k	U (can also be used in D009/D091 Series)
AE020199	Pressure Roller * 1 * 2	1	160k	C (D009)
AE044099	Hot Roller Stripper * 2	7	320k	C (D009)
D0094177	Fusing Thermistor (Center and End) * 1 * 2	1	160k	C (D009)
AE045099	Cleaning Web * 2	1	160k	C (D009)
AE040099	WEB Holder Roller * 2	1	320k	C (D009)
B0654247	Brake Pad * 2	1	320k	C (D009)

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Options

Auto Reverse Document Feeder (D630) (Standard for NA Market)

Part Number	Description	Q'ty /Unit	PM Interval	Unique or Common
A8061295	Belt Paper Feed	1	120k	C (D009)
A8592241	Reverse Roller	1	120k	C (D009)
B8024361	Pick-up Roller	1	120k	C (D009)

Paper Tray Unit / LCT 1200 / LCT 2000 (D580/D581/D631)

Due to their durability and extended service life, the feed rollers, separation rollers, and pick-up rollers of the mainframe, optional paper trays, and LCT have been removed from the PM parts list.

Special Tools & Lubricants

The following special tools should be prepared to maintain the new model properly in the field:

Item	Part Number	Description	Q'ty	Unique or Common
1	A0069104	Scanner Positioning Pin (4pcs/set)	1	C (D009)
2	A2929500	Test Chart – S5S (10 pcs/set)	1	C (General)
3	A2309003	Adjustment Cam – Laser Unit	1	C (D009)
4	A2309004	Positioning Pin – Laser Unit	1	C (D009)
5	B6455010	SD Card	1	C (General)
6	A2579300	Grease Barrierta – S552R	1	C (General)
7	52039502	Silicon Grease G-501	1	C (General)

Target Reliability

Item	Model
Average Monthly Volume	D 1 2 9 : 1 0 k / m o n t h D 1 3 0 : 2 0 k / m o n t h
Max. Monthly Volume	50k/month
PM Interval	160k/month

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Specifications / Documentation

General Specification		
Configuration	Desktop	
Scanning Element	One-dimensional solid scanning through CCD	
Printing Process	Twin Laser beam scanning & electro-photographic printing	
Development	Dry two-component magnetic brush development system	
Fusing	Fusing roller type	
First Copy Time	D129	4.1
	D130	3.5
Warm-up Time	Basic Model: Less than 15 sec / SP Model: Less than 19 sec	
Power Source	US	120-127V 60Hz 12A
Max Power Consumption	US	Less than 1584W
Dimension(WxDxH)	Mainframe : Less than 670 x 682 x 760 mm (w/o ARDF) Less than 670 x 682 x 895 mm (w. ARDF) Mainframe * + Optional 2 Paper Bank + Fall-Prevention Material : Less than 670 x 766 x 1020 mm (w/o ARDF) Less than 670 x 766 x 1155 (w. ARDF) 670 x 677 x 760 (w ARDF, w/o Operational Panel) 670 x 677 x 1020 (w ARDF, w/o Operational Panel, w Optional 2 Paper Bank) 670 x 682 x 760 (w ARDF, w Operational Panel) *	
	Mainframe : Less than 26.38 x 26.85 x 29.92 mm (w/o ARDF) Less than 26.38 x 26.85 x 35.24 mm (w. ARDF) Mainframe * + Optional 2 Paper Bank + Fall-Prevention Material : Less than 26.38 x 30.16 x 40.16 mm (w/o ARDF) Less than 26.38 x 30.16 x 45.47 (w. ARDF) 26.4 x 26.7 x 30 (w ARDF, w/o Operational Panel) 26.4 x 26.7 x 40.2 (w ARDF, w/o Operational Panel, w Optional 2 Paper Bank) 26.4 x 26.9 x 30 (w ARDF, w Operational Panel) *	
Weight	US:less than 97kg – 213.8 lbs	

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Enhanced Features		
Image Density		Auto Density Selection, Manual : 9 levels
Color Mode		Auto Color Selection (ACS) (For Color Scanner), Full Color (For Color Scanner), Black & White
Copy Mode		Default = Auto Text & Photo Separation (Printed/Glossy/Copied)
Copy Mode - Photo Type Selection		Photo (Printed/Glossy/Copied), Text, Map, Pale, Generation
Paper Selection		Default = Auto Paper Selection (APS) Auto Paper Selection (APS) 1st Tray 2nd Tray 3rd Tray (with Paper Bank) 4th Tray (with Paper Bank) 5th Tray LCT Bypass Tray
Paper Type Display	Std Tray	[Paper Type] Plain Paper (No Display Paper Type), Recycle Paper, Color Paper, Letterhead, Special Paper 1-3, Cardstock, Preprinted Paper, Bond Paper, Backside, Pre-Punched Paper, Envelope [Thickness] Normal Paper, Semi-Thick Paper, Thick Paper 1, Thick Paper 2
	Bank, LCT	[Paper Type] Plain Paper (No Display Paper Type), Recycle Paper, Color Paper, Letterhead, Special Paper 1-3, Cardstock, Preprinted Paper, Bond Paper, Backside, Pre-Punched Paper, Envelope (Optional 2 Tray Bank Only) [Thickness] Normal Paper, Semi-Thick Paper, Thick Paper 1, Thick Paper 2

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Enhanced Features		
	Bypass Tray	[Paper Type] Plain Paper (No Display Paper Type), Recycle Paper, Color Paper, Letterhead, Special Paper 1-3, Cardstock, Preprinted Paper, Bond Paper, Backside, Pre-Punched Paper, Envelope, OHP, Label Paper [Thickness] Thin Paper, Normal Paper, Semi-Thick Paper, Thick Paper 1, Thick Paper 2
Auto Tray Switch		Yes
Duplex		1 sided to 2 sided, 2 sided to 2 sided(with ARDF), Book to 2 sided, Front and back to 2 sided
Book	Booklet	Yes
	Magazine	Yes
	Layout & Booklet	Yes
Series	Book to simplex	Yes
	2 sided original to simplex	Yes (with ARDF)
Combine	2 into 1 simplex	Yes
	4 into 1 simplex	Yes
	8 into 1 simplex	Yes
	1 duplex into 1 simplex	Yes
	2 duplex into 1 simplex	Yes
	4 duplex into 1 simplex	Yes
	4 into 1 duplex	Yes
	8 into 1 duplex	Yes
	16 into 1 duplex	Yes
	2 duplex into 1 duplex	Yes
	4 duplex into 1 duplex	Yes
	8 duplex into 1 duplex	Yes
Shift/Eraser/Margin	Centering	Yes
Adjustment	Cornering	No

Product Support Guide

D129 / D130

Enhanced Features		
	Margin Adjustment	1mm step (0-30mm) Default=Front Page:5mm left, Back Page:5mm right
	Erase Center	1mm step (2-99mm), Default=10mm
	Erase Border	1mm step (2-99mm), Default=10mm
	Erase Center/Border	1mm step (2-99mm) Default = Center: 10mm, Border: 10mm
Cover Sheet/Chapter/Slip Sheets	Front Cover	Copy or Blank (Default=Copy)
	Front & Back Cover	Copy or Blank (Default=Copy)
	Chapter	Yes (Up to 20 chapters)
	Slip Sheets	Yes
	OHP Slip Sheets	Yes (Bypass)
Image Rotation		Yes (A4, LT, B5)
Electronic Sort	Without Shift Sort	Yes
	Rotate Sort	Yes
	Shift Sort	Yes (only with Finisher and Shift Tray)
Electronic Stack		Yes (with Finisher)
Stapling		Yes (with Finisher)
Color Creation	Color Conversion	-
	Color Erase	-
	Color Background	-
Image Creation	Repeat	Yes
	Double Copy	Yes
	Mirror	No
	Positive/Negative	Yes
Stamp/Numbering	Preset Stamp	Yes (8 Stamps/ 2 sizes)
	User Stamp	Yes (4 Stamps can be registered)
	Date Stamp	Yes (5 styles)
	Page Number	Yes (6 styles)

Product Support Guide

D129 / D130

Enhanced Features		
	Bates Numbering	Yes (9 digits / zero suppression: no) *3
Color Balance Adjustment		No
Color Balance Program		No
Auto Color Calibration(ACC)		No
Sharp/Soft		7 levels
Contrast		9 levels
Background Density Adjustment		9 levels
Under Color Removal(UCR) Adjustment		-
Text & Photo Separation Sensitivity Adjustment		-
Color Erase Sensitivity Adjustment		-
Job Programs		Mode: 25 Program, Default: 1 Program
User Code		8 digits / 1000 user codes
Interrupt Copy		Yes
Auto Start		Yes
Job Preset		Yes (8 job)
Sample Copy		Yes
Simplified Display		Yes
Login/Logout Button		Yes
Logging Data Print out		Yes
NRS Option		Yes
Document Server		Yes
Auto Off Timer		Yes
Energy Saver Timer		Yes
Panel Off Timer		Yes
System Reset Timer		Yes

Product Support Guide

D129 / D130

Paper Handling		
Paper Size	1st Paper Tray	A3 SEF, A4 SEF/LEF, A5 LEF, B4 SEF, B5 SEF/LEF, 11"x 17"(DLT) SEF, 8.5"x 14"(LG) SEF, Foolscap SEF, 8.5"x 11"(LT) SEF/LEF, 8.25"x 14"(Government LG) SEF, 8.25"x 13"(Folio) SEF, 8"x 13"(F/GL) SEF, 8"x 10.5"(G LT) SEF/LEF, 8"x 10"(Eng Quatro) SEF, 7.25"x 10.5"(Executive) SEF/LEF, Com10 LEF, C5 LEF, DL Env LEF, 8K SEF, 16K SEF/LEF, 11x15 SEF, 11x14 SEF, 10x15 SEF, 10x14 SEF <Custom Size Paper> Width: 182mm (7.17 inch) - 297mm (11.69 inch), Length: 148mm (5.83 inch) - 432mm (17.01 inch)
	2/3/4 Paper Tray	A3 SEF, A4 SEF/LEF, A5 LEF, B4 SEF, B5 SEF/LEF, 11"x 17"(DLT) SEF, 8.5"x 14"(LG) SEF, Foolscap SEF, 8.5"x 11"(LT) SEF/LEF, 8.25"x 14"(Government LG) SEF, 8.25"x 13"(Folio) SEF, 8"x 13"(F/GL) SEF, 8"x 10.5"(G LT) SEF/LEF, 8"x 10"(Eng Quatro) SEF, 7.25"x 10.5"(Executive) SEF/LEF, Com10 LEF, C5 LEF, DL Env LEF, 8K SEF, 16K SEF/LEF, 11x15 SEF, 11x14 SEF, 10x15 SEF, 10x14 SEF <Custom Size Paper> Width: 182mm (7.17 inch) - 297mm (11.69 inch), Length: 148mm (5.83 inch) - 432mm (17.01 inch)
	Bypass Tray	A3 SEF, A4 SEF/LEF, A5 SEF/LEF, A6 SEF, B4 SEF, B5 SEF/LEF, B6 SEF, 11"x 17"(DLT) SEF, 8.5"x 14"(LG) SEF, Foolscap SEF, 8.5"x 11"(LT) SEF/LEF, 8.25"x 14"(Government LG) SEF, 8.25"x 13"(Folio) SEF, 8"x 13"(F/GL) SEF, 8"x 10.5"(G LT) SEF/LEF, 8"x 10"(Eng Quatro) SEF/LEF, 7.25"x 10.5"(Executive) SEF/LEF, 5.5"x 8.5"(Half Letter) SEF, Com10 SEF/LEF, Monarch SEF/LEF, C5 SEF/LEF, C6 SEF/LEF, DL Env SEF/LEF, 8K SEF, 16K SEF/LEF, 12x18 SEF, 11x15 SEF, 11x14 SEF, 10x15 SEF, 10x14 SEF <Custom Size Paper> Width: 90mm (3.54 inch) - 305mm (12 inch), Length: 148mm (5.83 inch) - 600mm (23.62 inch) * 2
Envelope Printing	Yes (from bypass, Tray 1, Tray 2, and optional two bank paper tray) * 3	
Paper Feeding Capacity(LT/A4)	Std	550 sheets x 2 trays (less than 55.5mm) Bypass Tray: 100 sheets (less than 10mm)
	Max	4,400 sheets (with LCT and side LCT)

Product Support Guide

D129 / D130

Paper Handling		
	Option	Paper Bank Unit: 550 sheets x 2 trays or LCT: 1,000 sheets x 2 Side LCT: 1.200 sheets
Paper Output Capacity (LT/A4)	Std	Face Down: 500 sheets (A4/LT) *When Bridge Unit or Side Tray is attached: 250 sheets (A4/LT or smaller), 125 sheets (B4/LG or larger)
	Max	3,625 sheets (with 3,000 sheets Finisher (3,250 sheets) + bridge unit (250 sheets) + 1 bin tray (125 sheets))
	Option	1 Bin Tray: 125 sheets or Shift Sort Tray: 250 sheets (A4/LT or smaller), 125 sheets (B4/LG or larger) Side Tray: 125 sheets or 1000 sheets Finisher: 1,000 + 250 sheets or Booklet Finisher: 2,000 + 250 sheets or 3000 sheets Finisher: 3,000 + 250 sheets
Paper Weight	Std Tray	60 - 216
		16 - 57
	Bypass	52 - 220
		14 - 58
Duplex Unit	60 - 169	
	16 - 44	

Copier Specification	
CPM Black	D129:40, D130:50
CPM Color	-
Multiple Copying	Up to 999 copies
Reproduction Ratio	400%, 200%, 155%, 129%, 121%, 100%, 93%, 85%, 78%, 73%, 65%, 50%, 25%
Zoom	From 25% to 400% in 1% step
Number of Copy Reservations	8 jobs

Product Support Guide

D129 / D130

Printer Specification		
CPU		RM7035C-533
RAM		Basic:512MB, SP:1GB
HDD		128 GB 1
Print Drivers	Std	PCL5e, PCL6(XL), PDF
	Option	Adobe PostScript3, IPDS
Print Resolution	PCL5e	300x300dpi (1bit) 600x600dpi (1bit) (default)
	PCL6	600x600dpi (1bit)
	RPCS	Not Released
	PS3	600x600dpi (1bit) (default) 300x300dpi (1bit)
	XPS	600x600dpi
Font	PCL	45 fonts (13 International fonts: *Cyrillic (Russian), Greek, Hebrew and Arabic are included)
	PS3	136 Roman fonts
	Option	IPDS(108 Roman fonts)
	Interface	IEEE1284/ECP, Wireless LAN (IEEE 802.11a/b/g, WPA support), Bluetooth, Gigabit Ethernet(1000BASE-T)
Network Protocol		TCP/IP (IP v4, IP v6), IPX/SPX
Standard MIB		MIB-II(RFC1213), HostResource(RFC1514), PrintMib(RFC1759)
Private MIB		Ricoh Original

Network/Operating System	Windows: XP/Vista/Server2003/Server2008/Server2008R2/7, Netware: 6.5 or later Unix: Sun Solaris, HP-UX, SCO OpenServer, Red Hat Linux, IBM AIX Mac: OS X 10.2 or later, SAP R/3, NDPS Gateway, IBM iSeries/AS/400-using OS/400 Host Print Transform
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Scanner Specification		
Color Scan		Basic:Option, SP:Standard
Scanning Speed	B&W	B&W 2 value(Text,Photo), A4(LEF),200dpi, Compression(MH): 61ipm B&W 2 value(Text,Photo), A4(LEF),300dpi, Compression(MH): 61ipm
	Color	FC(Text, Photo), A4(LEF), 200dpi, Compression(default level): 31ipm FC(Text, Photo), A4(LEF), 300dpi, Compression(default level): 15ipm
Scanning Resolution	Std	100 / 200 / 300 / 400 / 600 dpi
	Default	200dpi
Auto Size Detection (US Model)	Contact Glass	11"x17"(DLT) SEF, 8 1/2"x14"(LG) SEF, 8 1/2"x11"(LT) LEF/SEF, 5 1/2"x8 1/2"(HLT) LEF,
	ARDF	11"x17" (DLT) SEF, 8 1/2"x11"(LT) LEF/SEF, 8 1/2"x13"(Foolscap) SEF,
Scan Area	Main	297
	Scan	11.7

Product Support Guide

D129 / D130

Scanner Specification		
	Sub Scan	432
		17
sRGB Support	Std	
Network Interface	Ethernet100BASE-TX/10BASE-T), Gigabit Ethernet(1000BASE-T), Wireless LAN(IEEE 802.11a/b/g)	
Protocol	Network: TCP/IP, Sending E-mail: SMTP, POP3Scan to Folder: SMB, FTP, NCP	
Compression Method	B&W	1bit(MH, MR, MMR, JBIG2), Grayscale(JPEG)
	Color	Full Color: JPEG (5 levels)
Scan Mode	B&W	Standard: BW: Text, BW :Text/Line Art, BW Text/Photo, BW Photo, Gray Scale
	Color	Standard: BW: Text, BW :Text/Line Art, BW Text/Photo, BW Photo, Gray Scale, FC Photo: Text/Photo, FC Photo: Glossy Photo, Auto Color Select
Image Density	Auto Density Selection (Effective only in BW and Grayscale scan mode) Manual: 7 levels (Effective in BW/Grayscale and FC scan mode)	
Image Rotation	BW: Yes, Grayscale/FC: Single and Multi valued PDF only	
SADF/Batch Mode	Yes	
Mixed Size Mode	Yes	
Reduce and Enlarge	Yes	
Split scan from Booklet type	Yes	

Product Support Guide

D129 / D130

Requirement	SMTP (Mail Server) Gateway and TCP/IP	
Authorization Function	SMTP authentication, POP before SMTP authentication	
Resolution	Std	100dpi, 200dpi, 300dpi, 400dpi, 600dpi
	Default	200dpi
Max Email Address in HDD	2,000 addresses (w HDD)	
Register Group Address in HDD	Max. 100 Group (Max. 500 addresses in one group address)	
Maintain Email Address in HDD	Direct input on operation panel, Web Image Monitor, Smart Device Monitor for Admin	
Input of Destination E-mail Address via Soft Key	Possible, Max. 100 destinations per job	
Search Email Address in HDD	By name and E-mail address	
LDAP Search	Yes	
Max Address Numbers Per Send	Max. 500 addresses per send	
Address Numbers Per Send	from HDD	Max 500
	direct input	Max 100
	via LDAP	Max 100
Attention	To, cc, bcc	
Email Size	with Restriction	128 - 102,400KB Dafult: 2,048KB
	w/o Restriction	725MB
File type	Single Page TIFF/JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF, Single Page High Compression PDF, Multi Page High Compression PDF, PDF/A	
Program User Settings	Yes (up to 10 programs)	
Divide and send Email	Yes (By page or size) / No, Default = Yes (By size)	
Resend	Yes / No, Default = Yes	

Network Twain Driver		
OS	32bit/64bit: Windows XP, Vista, 7, Server2003/2008 64bit: Windows Server 2008R2 (Operates in 32-bit compatibility mode on 64-bit operating systems)	
Scanning Speed	B&W	78 (A4 200dpi) *
	Color	48 (A4 200dpi) *
Resolution	B&W	100 - 1200dpi (Black and White / Grayscale)
	Color	100 - 600dpi (Full Color)
Scan Mode	Standard / Photo / OCR / Filing	
Image Adjustment	Brightness / Contrast / Threshold /Gamma Adjustment / Halftone Pattern	
Endorser	Date / Page Number / Text	
Stamp	Supported	

Product Support Guide

D129 / D130

Scan to Folder													
Security	Client folder log-in (log-in name and password), Encryption of log-in name and password during transmission												
Resolution	Std	100/200/300/400/600											
	Default	200dpi											
Register client folder address in HDD	Max. 2,000 folders												
Maintain client folder address in HDD	Direct input on operation panel, Web Image Monitor, Smart Device Monitor												
Destination client folder address input via soft key	Yes SMB: Network path->Client folder->Password FTB: Server->Network path->User account->Password NCP: Network path->User account->Password->Connection Type: NDS/Bindery												
Search client folder	SMB: Browsing directly to the designated folders FTP: By client folder name NCP: Browsing												
Homefolder over LDAP	Yes												
Max. client folder numbers per send	Max. 50 client folders / PCs per send												
Destination Combination	Yes												
Group address	Max. 100 destinations (To Folder: 50, To E-mail: 100) e.g. 100 destinations 50 folders included >>>OK 100 destinations 51 folders included>>>Failure												
Input Subject	No												
Scan to File size	Up to 2000MB												
File Size when combined Scan to Folder & Scan to E-mail	<table border="1"> <thead> <tr> <th>Input Via</th> <th>Condition 1</th> <th>Condition 2</th> <th>Condition 3</th> </tr> </thead> <tbody> <tr> <td>Address book</td> <td>500</td> <td>500</td> <td>550</td> </tr> <tr> <td>Manual Input</td> <td>100</td> <td>500</td> <td>550</td> </tr> </tbody> </table>	Input Via	Condition 1	Condition 2	Condition 3	Address book	500	500	550	Manual Input	100	500	550
Input Via	Condition 1	Condition 2	Condition 3										
Address book	500	500	550										
Manual Input	100	500	550										
File Type	Single Page TIFF/JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF, Single Page High Compression PDF, Multi Page High Compression PDF, PDF/A												
Program User Settings	Yes (Up to 10 programs)												
Dividing File in Scan to Email	Yes(By page or size)/No, Default =Yes(By size)												
Resend	Yes/No, Default = Yes												

Fax Specification		
Fax Spec	Circuit	PSTN, PBX
	Compatibility	ITU-T(CCITT) G3, Additonal G3 (option)

Product Support Guide

D129 / D130

Fax Specification		
Resolution		8x3.85 line/mm, 200x100dpi(std) 8x7.7 line/mm, 200x200dpi(std) 8x15.4 line/mm, 16x15.4 line/mm, 400x400dpi(with optional SAF memory)
Compression Method		MH, MR, MMR, JBIG
Scanning Speed		Less than 0.90sec (200x100dpi, A4 SEF)
Scan Page per Minute(DF used)	A4/LT SEF	Standard mode:62cpm Detail mode:62cpm Super Fine mode:51cpm
	A4/LT LEF Image Rotation	Standard mode:71cpm Detail mode:71cpm Super Fine mode:33cpm
Modem Speed		33.6K – 2,400bps (G3, Standard with Automatic Shift Down) (33600, 31200, 28800, 26400, 24000, 21600, 19200, 16800, 14400, 12000, 9600, 7200, 4800, 2400 bps)
Transmission Speed		G3: Approx.2 seconds (200 x 100dpi, JBIG, ITUT #1 chart TTI off, memory transmission) G3: Approx.3 seconds (200 x 100dpi, MMR, ITUT #1 chart, TTI off, memory transmission)
Page Memory Size	Std	8MB
	with Optional SAF Memory	16MB
SAF Memory Size	Std	4MB
	with Optional SAF Memory	28MB
Memory Backup		One hour
Smoothing		Standard
TTI/RTI		Standard
CSI		Standard
Quick Dial		Standard: 500 number (without HDD) / 2,000 numbers (with HDD)
Group Dial		Standard (100groups)
Program		Standard
Redial		Standard
Direct Fax Number Entry		Standard
Dual access		Standard
User Code		Standard:1000 codes
Page Counter		Standard
Auto Reduction		Standard
Wild Cards		Standard
Summer Time		Standard
ID Code Programming		Standard (4 digits)
Programming by OMR		No
User Function Key		Standard
Energy Saver		Standard

Product Support Guide

D129 / D130

Fax Specification		
	LCD Prompt	Standard
	Remaining Memory Indication	Standard
	Clock Adjustment	Standard
	User Parameter Settings	Standard
	User Data Transfer	T.B.A.
	Remote FAX	Optional *
Fax Transmission Spec	Immediate Transmission	Standard
	Memory Transmission	Standard
	Serial Broadcasting	Standard (Max. 500 numbers)
	Send Later	Standard
	Error Correction Mode	Standard
	Page Retransmission	Standard
	Forwarding	Standard
	Image Rotation	Standard
	Book Fax	Standard
	Closed Network Transmission	Standard
	Double Sided Transmission	Standard
Fax Reception Spec		
Fax Reception Spec	Automatic Reception	Standard
	Manual Reception	Standard
	Substitute Reception	Standard
	Authorized Reception	Standard
	Multi Copy	Standard
	Closed Network	Standard
	Reception Time Printing	Standard
	Center Mark	Standard
	Checkered Mark	Standard
	Night Timer (Output Switch Timer for Received FAX)	Standard
	Economy Printing Mode	No
Duplex Reception	Standard	
Telephone Spec	Handset/Telephone	Option (only for NA)
	Telephone Connection	Option (only for NA)
	Monitor Speaker	Standard
	Automatic Voice Message	No
	On Hook Dial	Standard
	Tone Transmission	Standard
	Pause	Standard
	Pulse/Tone Selection	Standard
Chain Dialing	No	

Product Support Guide

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Fax Reception Spec		
	Reception Mode Selection	Standard
	Automatic Fax/Phone change	No
	Reception Mode Switch over (remote)	No
	Answering Machine interface	No
	Reception Mode Switching Timer	Standard
	Auto Answer Delay Time	Standard (SP mode)
	Busy Tone Detection	Standard
	Silent Ringing Detection	No
Internet Fax Spec	Requirement of Mainframe	G3 fax option is required. Printer Scanner option is required for Basic model.
	Number of Address	2,000 HDD storage
	Email Address Input	From LCD operation panel, Web Image Monitor, Smart Device Monitor for Admin
	Attention	"to" or "bcc" (select only one), max 500 attentions
	Destination Combination	Internet Fax + G3 Fax, Internet Fax to PC + G3 Fax
	Network	Ethernet100BASE-TX/10BASE-T, Gigabit Ethernet(1000BASE-

Product Support Guide

D129 / D130

Fax Specification		
	T), Wireless LAN(IEEE 802.11a/b/g)	
Transmit Function	E-mail	
Scan Line Density	200 x 100dpi (Standard character), 200 x 200dpi (Detail character), 400 x 400dpi (Super Fine character: optional)	
Maximum Original Size	A3/DLT	
Communication Protocol	-Transmission: SMTP, TCP/IP - Reception: POP3, SMTP, IMAP4, TCP/IP	
Email Format	Single/Multi-part, MIME Conversion, Attached file forms:TIFF-F(MH, MR, MMR compression)	
Authentication Method	SMTP-AUTH POP before SMTP, A-POP	
Internet Communication	Send and receive e-mail with a computer that has an e-mail address	
Email Send Functions	Automatic conversion of sent documents to e-mail format and e-mail transmission. Memory transmission only.	
Email Receive Functions	Automatic detection and printing of appended TIFF-F(MH) files and ASCII text. Memory reception only.	
LAN Fax Spec	Paper Size	A3, DLT, B4, A4 (default for EU/Asia model),Letter (default for NA model), Legal, B5, A5
	Resolution	Super Fine (400 x 400 dpi) Detail (200 x 200 dpi) (default) Standard (200 x 100 dpi)
	Gray Scale	Not supported
	Number of Address	500
	OS	Windows XP, Windows Vista, WindowsServer2003, WindowsServer2008, Windows 7, WindowsServer2008R2
	LAN-Fax Editor Support Language	1.English, 2.German, 3.French, 4.Italian, 5.Spanish, 6.Dutch, 7.Swedish, 8.Norwegian, 9.Danish, 10.Finnish, 11.Hungarian, 12.Czech, 13.Polish, 14.Portuguese, 15.Russian, 16.Brazilian Portuguese, 17.Greek, 18.Traditional Chinese, 19.Simplified Chinese Condition: OS needs to have the same language.
IP Fax Spec	Network	Ethernet100BASE-TX/10BASE-T, Gigabit Ethernet(1000BASE-T), Wireless LAN(IEEE 802.11a/b/g)
	Scan Line Density	8 x 3.85 lines/mm, 200 x 100 dpi (Standard character), 8 x 7.7 lines/mm, 200 x 200 dpi (Details character), 8 x 15.4 lines/mm (Fine character: optional expansion memory required), 16 x 15.4 lines/mm, 400 x 400 dpi (Super Fine character: optional expansion memory required)
	Original Size	Maximum A3 or 11" x 17" (DLT)
	Max Scanning Size	Maximum A3 or 11" x 17" (DLT)
	Transmission Protocol	Recommended: T.38 Annex, TCP, UDP/IP communication, SIP(RFC 3261 compliant), H.323 v2
	Compatible Machines	IP-Fax compatible machines
	IP-Fax Transmission Function	Specify an IP address and send faxes to an IP-Faxcompatible fax through a network. Also capable of sending faxes from a G3 fax connected to a telephone line via a VoIP gateway.
	IP-Fax Reception	Receive faxes sent from an IP-Fax compatible fax through a network.

Product Support Guide

D129 / D130

Fax Specification

	Function	Also capable of receiving faxes from a G3 fax connected to a telephone line via a VoIP gateway
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Document Server Specification

HDD Capacity	128 GB
Max Stored Documents	3000 documents
Max Pages Per Documents	2000 page /A4
Max Pages of All Stored Documents	9000 sheets

Security Specification

Security Spec	Network User Authentication	Yes
	IP Address Filtering	Yes
	MAC Address Filtering	No
	HDD Overwrite	Yes, std.
	HDD Encryption	Yes, std.
	Secure Print	Yes
	Encrypted Secure Print	Yes
	Encrypted PDF Mode	Yes
	Digitally signed PDF	Yes
	IP Sec	Yes
	Secure Sockets Layer(SSL)	Yes
	SNMPv3	Yes
	IPv6	Yes
	Transport Layer Security	Yes
	Removable HDD	TBA

Thick Paper Productivity

Model	Mode	Paper Thickness (gsm)	(lb bond)	BK CPM (Theoretically)
D129	Thin Paper	-111	-30	18.1
	Plain Paper	-81	-22	40
	Middle Thick	-105	-28	40
	Thick Paper 1	-169	-45	18.1

Product Support Guide

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Model	Mode	Paper Thickness (gsm)	(lb bond)	BK CPM (Theoretically)
	Thick Paper 2	-220	-58	non standardized
	Thick Paper 3	-256	-68	non standardized
	OHP, 1200dpi printing High gloss paper	-	-	-
D130	Thin Paper	-111	-30	18.1
	Plain Paper	-81	-22	50
	Middle Thick	-105	-28	50
	Thick Paper 1	-169	-45	18.1
	Thick Paper 2	-220	-58	non standardized
	Thick Paper 3	-256	-68	non standardized
	OHP, 1200dpi printing High gloss paper	-	-	-
			*1lbs = about 3.75gsm	

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Options

ARDF - DF3070 (D630) (Comes as Standard)		
Original Size	Simplex	5 1/2"x 8 1/2 " LEF/SEF (HLT)– 11"x17"(DLT) / B6 LEF/SEF - A3 Vertical: 5.1"-11.7" / 128-297mm Horizontal: 5.1"-49.6" / 128-1,260mm (5.1"-17.0" / 128-432mm for copy & scanner function)
	Duplex	5 1/2"x 8 1/2 " LEF/SEF – 11"x17" / B5 LEF/SEF - A3
Original Weight	Simplex	40-128g/m2 (10-34lbs) Bond
	Duplex	52-128g/m2 (14-34lbs Bond)
Stack Capacity	100 sheets with 22lbs / 81.4g/m2 paper or Less than 12mm	
Power Consumption	Less than 70 W	
Dimensions (WxDxH)	22.5"x20.5"x5.4" / 570x520x135mm	
Weight	Less than 26.5lbs / Less than 12kg	

Paper Feed Unit - PB3130 (D580)	
Paper Size	A5 LEF – 11"x17"(DLT) / A3 (HLT NOT Supported)
Paper Weight	52-256g/m2 (14-68 lb Bond)
Paper Capacity	1,100sheets(550 sheets x 2 trays with 80g/m2 paper)
Power Consumption	Less than 40W (Power is supplied from mainframe)
Dimensions (WxDxH)	22.8"x24.4"x10.2" / 580 x 620 x 260mm
Weight	Less than 57lbs / Less than 26kg

LCT 2000 - PB3140 (D581)	
Paper Size	8 1/2"x11" LEF (LT)/ A4 LEF
Paper Weight	52-256g/m2 (14-68 lb Bond)
Paper Capacity	2,000sheets(1000 sheets x 2 trays with 80g/m2 paper)
Power Consumption	Less than 45W (Power is supplied from mainframe)
Dimensions (WxDxH)	22.8"x24.4"x10.2" / 580 x 620 x 260mm
Weight	Less than 57lbs / Less than 26kg

LCT 1200 - RT3020 (D631)	
Paper Size	8 1/2"x11" LEF (LT)/ A4 LEF
Paper Weight	60-216g/m2 (16-57 lb Bond)
Paper Capacity	1,200sheets (80g/m2 paper)
Power Consumption	Less than 41W (Power is supplied from mainframe)
Dimensions (WxDxH)	13.7"x21.3"x11.4" / 348 x 540 x 290mm
Weight	30.8 lbs, 13.9kg

Product Support Guide

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Booklet Finisher – SR3110 (D637)		
Paper size	Proof Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17" (DLT), B6SEF, A5SEF/LEF – A3 SEF
	Shift Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17"(DLT), B6SEF, A5SEF/LEF – A3 SEF
Paper Weight	Proof Tray	52-163g/m ² / 14-43lbs Bond
	Shift Tray	52-256g/m ² / 14-68lbs Bond
Stack Capacity	Proof Tray	250 sheets (A4 / 8 1/2"x11" or smaller / 80g/m ² / 20 lbs) 50 sheets (B4 / 8 1/2"x14" or larger / 80g/m ² / 20lbs)
	Shift Tray	2000 sheets (A4 LEF/ 8 1/2"x11" (LT) LEF) 1000 sheets (B5, B4SEF, A4 SEF, A3 SEF, LT SEF, LG, DLT SEF,) 500 sheets (A5 LEF) 100 sheets (A5 SEF, B6 SEF, HL SEF)
	Normal Staple Sort	LT LEF, A4 LEF: 40-150 sets (50-13 sheets/set) 150 sets (2-12 sheets/set) LT SEF, B5, A4 SEF: 20-100 sets (50-10 sheets/set) 100 sets (2-9 sheets/set) LG, DLT, B4, A3: 33-100 sets (30-10 sheets/set) 100 sets (9-2 sheets/set)
	Saddle Stitch	30 sets (2 - 5 sheets/set, all size for saddle stitch)
	Staple Sort	15 sets (6 - 10 sheets/set, all size for saddle stitch) 10 sets (11 - 15 sheets/set, all size for saddle stitch)
	Mixed Size	50 sets (2-30 sheets/set) Combination (A3 SEF and A4 LEF), (B4 SEF and B5 LEF), (DL SEF and LT LEF)
Staple Capacity	Normal Staple	[Single Size] 50 sheets (A4 / 8 1/2"x11" (LT)/ 80g/m ² / 20 lbs) 30 sheets (B4 / 8 1/2"x14"(LG) or larger / 80g/m ² / 20lbs) [Mixed Size] 30 sheets(A4 LEF and A3), (B5 LEF and B4), (LT LEF and DLT)
	Saddle Stitch Staple	15 sheets (80g/m ² / 20 lbs)
Staple Paper Size	Normal Staple	8 1/2"x11" (LT) – 11"x17"(DLT), B5 LEF/SEF – A3 SEF
	Saddle Stitch Staple	8 1/2"x11" (LT) SEF, 8 1/2"x14" (LG), 11"x17"(DLT) SEF, B5 SEF, A4 SEF, B4 SEF, A3 SEF
Staple Paper Weight	Normal Staple	17-24lbs Bond/ 64-90g/m ² , 2 cover sheets/set (60lb Cover/163g/m ²)
	Saddle Stitch Staple	17-24lbs Bond/ 64-90g/m ² , 1 cover sheet/set(163g/m ²) available
Staple Position	1 staple / 3 positions, 2 staples / 2 positions	
Staple Cartridge Capacity	[Normal Staple] 5,000pcs./cartridge [Saddle Stitch] 2,000pcs./cartridge	
Punch Unit NA (Optional)	2 Hole	[Paper size] SEF: HLT – DLT/ A5 – A3, LEF: HLT, LT, A4-A5 [Paper Weight] 14 – 43 lbs Bond/ 52-163g/m ²
	3 Hole	[Paper size] SEF: DLT, B4, A3, LEF: LT, B5, A4 [Paper Weight] 14 – 43 lbs Bond/ 52-163g/m ²
Power Consumption	96W	
Dimension (WxDxH)	25.8"x"24.2" x 37.8" / 657 x 613 x 960mm	
Weight	Approx. 138.9lbs / 63kg w/o Punch Unit Approx. 143.3lbs / 65kg with Punch Unit	

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3000 Sheet Finisher - SR3120 (D636)		
Paper size	Proof Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17" (DLT), B6 SEF, A5SEF/LEF – A3 SEF
	Shift Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17" (DLT), B6 SEF, A5SEF/LEF – A3 SEF
Paper Weight	Proof Tray	52-163g/m2 / 14-43lbs Bond
	Shift Tray	52-256g/m2 / 14-68lbs Bond
Stack Capacity	Proof Tray	250 sheets (A4 / 8 1/2"x11" or smaller / 80g/m2 / 20 lbs) 50 sheets (B4 / 8 1/2"x14" or larger / 80g/m2 / 20lbs)
	Shift Tray	3000 sheets (A4 LEF/ 8 1/2"x11" (LT) LEF) 1500 sheets (B5, B4SEF, A4 SEF, A3 SEF, LT SEF, LG, DLT SEF, 12"x18") 500 sheets (A5LEF) 100 sheets (A5 SEF, B6 SEF, HL SEF)
	Normal Staple Sort	LT LEF, A4 LEF: 60 – 150 sets (50 – 20 sheets/set) 150 sets (2 – 19 sheets/set) LT SEF, B5, A4 SEF: 30 - 100 sets (50 - 15 sheets/set) 100 sets (2 – 14 sheets/set) LG, DLT, B4, A3: 33 - 100 sets (30 – 15 sheets/set) 100 sets (14 – 2 sheets/set)
	Mixed Size	50 sets (2-30 sheets/set) Combination (A3 SEF and A4 LEF), (B4 SEF and B5 LEF), (DL SEF and LT LEF)
Staple Capacity	Normal Staple	[Single Size] 50 sheets (A4 / 8 1/2"x11" (LT) / 80g/m2 / 20 lbs) 30 sheets (B4 / 8 1/2"x14"(LG) or larger / 80g/m2 / 20lbs) [Mixed Size] 30 sheets(A4 LEF and A3), (B5 LEF and B4), (LT LEF and DLT)
Staple Paper Size:	Normal Staple	8 1/2"x11" (LT) – 11"x17"(DLT), B5 LEF/SEF – A3 SEF
Staple Paper Weight	Normal Staple	17-24lbs Bond/ 64-90g/m2, 2 cover sheets/set(163g/m2) Available
Staple Position		1 staple / 3 positions, 2 staples / 1 positions
Staple Needle Capacity		5,000pcs. /cartridge
Punch Unit (Optional)	2 Hole	[Paper size] SEF: HLT – DLT/ A5 – A3, LEF: HLT, LT, A4-A5 [Paper Weight] 14 – 43 lbs Bond/ 52-163g/m2
	3 Hole	[Paper size] SEF: DLT, B4, A3, LEF: LT, B5, A4 [Paper Weight] 14 – 43 lbs Bond/ 52-163g/m2
Power Consumption		96W
Dimension (WxDxH)		25.8"x"x24.2" x 37.8" / 657 x 613 x 960mm
Weight		Approx. 119lbs / 54kg w/o Punch Unit Approx. 123.5lbs / 56kg with Punch Unit

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1000 Sheet Finisher - SR3090 (D588)		
Paper Size	Proof Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17" (DLT), A5SEF - A3 SEF
	Shift Tray	5 1/2"x8 1/2"LEF/SEF(HLT) – 11"x17"(DLT), A5 SEF - A3 SEF
Paper Weight	Proof Tray	52-260g/m2 / 14-68lbs
	Shift Tray	52-163g/m2 / 14-43lbs
Stack Capacity	Proof Tray	250 sheets (A4 / 8 1/2"x11" or smaller / 80g/m2 / 20 lbs) 50 sheets (B4 / 8 1/2"x14" or larger / 80g/m2 / 20lbs)
	Shift Tray	1000 sheets (A4 / 8 1/2"x11" or smaller / 80g/m2 / 20 lbs) 500 sheets (B4 / 8 1/2"x14" or larger / 80g/m2 / 20lbs)
	Normal Staple Sort	LT LEF, A4 LEF: 20-100 sets (50 – 10 sheets/set) 100 sets (2 – 9 sheets/set) LT SEF, B5, A4 SEF: 10 - 50 sets (50 - 10 sheets/set) 100 sets (2 – 9 sheets/set) 12"x18", LG, DLT, B4, A3: 10 - 50 sets (30 – 10 sheets/set) 50 sets (2– 9 sheets/set)
Staple Capacity		50 sheets (A4 / B5 / 8 1/2"x11" / 80g/m2 / 20 lbs) 30 sheets (B4 / 8 1/2"x14" or larger / 80g/m2 / 20lbs)
Staple Paper Size		8 1/2"x11"(LT) – 11"x17"(DLT), B5 LEF/SEF – A3 SEF
Staple Paper Weight		17-28lbs / 64-90g/m2
Staple Position		1 staple / 2 positions 2 staples / 1positions
Staple Cartridge Capacity		5,000pcs. /cartridge
Shift Tray		Standard
Power Consumption		50W
Dimension (WxDxH)		10.7"x20.5"x31.2" / 270x520x790mm
Weight		55.2lbs / 25Kg

One Bin Tray - BN3100 (D632)	
Bin Capacity	125 sheet 20lb bond (80g/ m2)
Paper Size	5.5"x8.5" SEF(HLT)-11"x17"(DLT) SEF, A5A3 SEF
Paper Weight	16 28lbs Bond/ 60 196 g/ m2
Power Consumption	5W (Power is supplied from the mainframe)
Dimension (WxDxH)	22.2" x 16.1" x 4.5" / 565 x 410 x 115mm
Weight	Less than 1.1lbs / .5Kg

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Internal Shift Tray – SH3060 (D633)	
Paper Size	51/2" x 81/2" SEF - 12" x 18", A6 SEF - A3 SEF, 305mm x 432mm or smaller, Max. 305mm x 1260mm by using SP mode
Paper Weight	52-300 g/m2 221-300 g/m2 :paper type is limited 14 - 80 lbs 221-300 g/m2 :paper type is limited
Paper Output Capacity	250 sheets (A4 / 8 1/2"x11" or smaller, less than 80gms) 125 sheets (B4 / 8 1/2"x14" or larger, less than 80gms)
Power Consumption	Max 10W (Power is supplied from mainframe)
Dimension(WxDxH)	423(W) x 468(D) x 114(H)mm
Weight	16.7" x 18.4" x 4.5" Less than 2kg Less than 4.4lbs

MFP Supported Environments

OS	Type	PCL5e	PCL6	PostScript3	XPS
Windows 2000	Professional	N	N	N	N
	Server	N	N	N	N
	Advanced Server	N	N	N	N
	Datacenter Server	N	N	N	N
Windows XP	Professional	Y	Y	Y	N
	Home Edition	Y	Y	Y	N
Windows Vista	Starter	N	N	N	N
	Home Basic	Y	Y	Y	Y
	Home Premium	Y	Y	Y	Y
	Business	Y	Y	Y	Y
	Ultimate	Y	Y	Y	Y
	Enterprise	Y	Y	Y	Y
Windows 7	Starter	N	N	N	N
	Home Basic	N	N	N	N
	Home Premium	Y	Y	Y	Y
	Professional	Y	Y	Y	Y
	Ultimate	Y	Y	Y	Y
	Enterprise	Y	Y	Y	Y
Windows Server 2003	Standard Edition	Y	Y	Y	N
	Enterprise Edition	Y	Y	Y	N
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows Server 2008	Standard Edition	Y	Y	Y	Y
	Enterprise Edition	Y	Y	Y	Y
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows Server 2008R2	Standard Edition	Y	Y	Y	Y
	Enterprise Edition	Y	Y	Y	Y

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OS	Type	PCL5e	PCL6	PostScript3	XPS
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N

Point and Print

Windows OS		Drivers		
Server	Client(Push to)	PCL5e/6	PS	XPS
Windows Server 2003	7	Y	Y	N
	Vista	Y	Y	N
	XP	Y	Y	N
	W2K Pro	N	N	N
Windows Server 2008	7	Y	Y	Y
	Vista	Y	Y	Y
	XP	Y	Y	N
	W2K Pro	N	N	N
Windows Server 2008R2	7	Y	Y	Y
	Vista	Y	Y	Y
	XP	Y	Y	N
	W2K Pro	N	N	N
Windows 2000 Professional Server & Advanced Server	7	N	N	N
	Vista	N	N	N
	XP	N	N	N
	W2K Pro	N	N	N
Windows XP Professional	7	Y	Y	N
	Vista	Y	Y	N
	XP	Y	Y	N
	W2K Pro	N	N	N
Windows Vista	7	Y	Y	Y
	Vista	Y	Y	Y
	XP	Y	Y	N
	W2K Pro	N	N	N

Terminal Server and Citrix Mainframe

Server	Driver
	PCL5e/6 PS
Win Server 2008R2	Y Y
Win Server 2008	Y Y
Win Server 2003	Y Y
Win 2000 Server	N N
Win Server 2003 + MetaFrame	Y N
Win 2000 Server + MetaFrame	N N

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Server	Driver	
Win Server 2003 + Citrix PresentationServer4.0	Y	N
Win 2000 Server + Citrix PresentationServer4.0	N	N
Win Server 2003 + Citrix PresentationServer4.5	Y	Y
Win Server 2008 + XenApp5.0	Y	Y
Win Server 2008R2 + XenApp6.0	Y	Y

*RPCS driver has been discontinued.

*XPS driver is not supported in the environment of terminal service and Citrix MetaFrame.

*Even "Yes" is put in the cell, there is a case driver is not supported under the combination of FR and Service Pack of Meta Frame.

*Following combinations of operating system and Citrix MetaFrame are supported.

Windows 2003 Server

- 1.Windows Terminal Service (RDP protocol)
- 2.Citrix PresentationServer4.5

Windows 2008 Server

- 1.Windows Terminal Service (RDP protocol)
- 2.Citrix XenApp5.0

Windows 2008R2 Server

- 1.Windows Terminal Service (RDP protocol)
- 2.Citrix XenApp6.0

Mac OS

	PostScript3	Printer Utility for MAC
Mac OS 8.6 or later, Mac OS X classic	No	No
Mac OS X Native : v. 10.2 or later	Yes	No

UNIX Environment

Unix Platforms	Version
Sun Solaris	2.6 / 7 / 8 / 9 / 10
HP-UX	10.x / 11.x / 11i/2
Red Hat Linux	Enterprise 4/5/6
SCO OpenServer	5.0.6 / 5.0.7/6.0
IBM AIX	5L Version 5.3 / 6.1 / 7.1

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Novell Network

Netware Server (Netware Option Reuired)	Supported Version	Netware 6.5
Client	Supported OS	Windows XP (Professional) / Vista/2008/7

SAP/R3 Environment (Device Type / Barcode & OCR Package)

Supported Barcode & OCR Fonts* (* BOP will be procured locally)	Barcode Fonts	Code 128, Code 39, Code 93, Codabar, 2 of 5 interleaved/Industrial/Matrix, MSI, USPS, UPC/EAN
	OCR Fonts	OCR A, OCR B

Utility Software

Software	Description
Font Manager	This software enables you to use screen fonts.
Smart Device Monitor for Admin	This software enables you to manage and monitor printers and other devices over the network.
DeskTopBinder – SmartDeviceMonitor for Client	This software enables you to access networked printers to print, monitor or to receive notifications. With DeskTopBinder Lite you can connect client computers to I/O devices enabling you to efficiently manage data.
Device Graphic Update Module	Device Graphic Update Module provides bitmap images used to represent the various statuses of devices graphically within Smart Device Monitor or Web Smart Device Monitor. Available on website.
Printer Utility for Mac	This is a utility for Macintosh that provides access to several network printing administrative features.
PS Descriptions	PPD for Mac By interacting with the Adobe PostScript 3 controller in the device, this PPD is able to produce an accurate representation of the screen image.
Mac OS X PPD Installer	This PPD installer is used to install a PPD (Postscript Printer Description) file on Mac OSX. PPD files contain descriptions of printer capabilities such as paper sizes, number of input trays and duplexing. Once the PPD file is installed on the system using the PPD installer, the PS driver that comes bundled with Mac OS X can use the information in the PPD to control the print device and enable full functionality. It supports the Mac OS X 10.1 or later. Please see the Readme file for information about compatibility with versions of Mac OS X.
LAN FAX Driver	This software enables you to fax documents directly from your computer. The Address Book Editor and Cover Sheet Editor are installed as well. This software requires the optional fax unit to be installed on the machine. M8 Driver

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Software	Description
PCL 6 Driver	Printer driver for B/W printing in Windows. It supports HP PCL XL commands and is optimized for the Windows GDI. High performance printing can be expected.
PCL 5e Driver	Printer driver for printing in Windows. It supports HP PCL 5e commands.
PostScript Driver	By interacting with the Adobe PostScript 3 controller in the device, this driver is able to produce an accurate representation of the screen image.
Network TWAIN Driver	TWAIN scanner driver for network connections with new features Combine/Series, compatible with SNMP V3 and Network Connection Tool.

Print Driver Information

Features	PCL5e	PCL6	PostScript3		XPS
			Windows XP/Vista/7	Mac OS X	
Send to job Binding	N	N	N	N	N
Send to Document Server	Y	Y	Y	Y	Y
Sample Print	Y	Y	Y	Y	Y
Locked Print	Y	Y	Y	Y	Y
Hold Print	Y	Y	Y	Y	Y
Scheduled Print	Y*1	Y	Y	Y*2	N
Stored Print	Y	Y	Y	Y	Y
Stored Print(Shared)	Y	Y	N	N	N
Store and Print	Y	Y	Y	Y	Y
Store and Print(Shared)	Y	Y	N	N	N
Reduce/Enlarge(Zoom/Scaling)	Y*3	Y*3	Y	Y	Y
Reduce/Enlarge Centering	N	N	N	N	N
Fit to Paper Size	Y	Y	Y	Y	N
Unauthorized Copy Control	Y*1	Y	Y	Y	N
Layout(N-up, Page per sheet)	Y	Y	Y	Y	Y

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Features	PCL5e	PCL6	PostScript3		XPS
			Windows XP/Vista/7	Mac OS X	
Poster	N	N	N	N	N
Duplex	Y	Y	Y	Y	Y
Booklet1	N	N	N	N	N
Booklet2(Magazine)	Y	Y	Y	Y	Y
Non-Reduction Booklet	Y	N	N	N	N
Layout + Booklet	Y*1	Y	Y	Y	N
Watermark	Y	Y	Y	Y	N
Overlay	N	N	N	N	N
Header/Footer	N	N	N	N	N
Adjust Image Position	N	N	N	N	N
Binding Margins	N	N	N	N	N
Collate	Y	Y	Y	Y	Y
Punch	Y	Y	Y	Y	Y
Staple	Y	Y	Y	Y	Y
Cover Sheet(Front Cover)	Y	Y	N	N	N
Front and Back Cover	Y	Y	N	N	N
Slip Sheet	Y	Y	N	N	Y
Banner Page Print	Y	Y	Y	Y	N
Chaptering	Y	Y	N	N	N
Rotate by 180 degrees	Y	Y	Y	Y	Y
Reverse Order Print	N	Y	N	Y	Y
Do not print Blank Pages	Y*4	N	N	N	N
Dithering	N	Y	Y	Y	N
Toner Saving	Y	Y	Y	Y	Y
Black Over Print	N	N	N	Y	N
Gray Reproduction	N	N	N	N	N

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Features	PCL5e	PCL6	PostScript3		XPS
			Windows XP/Vista/7	Mac OS X	
CLP Color Simulation	N	N	N	Y	N
Print Priority Setting :Quality	N	N	N	N	N
Print Priority Setting :Speed	N	N	N	N	N
Print Priority Setting :High Speed	N	N	N	N	N
User ID	Y	Y	Y	Y	Y
User Code	Y	Y	Y	Y	Y
User Authentication	Y	Y	N	N	N
Encryption/Encoding	Y	Y	N	N	N
Mirror image Print	N	N	Y	N	N
Negative Image Print	N	N	Y	N	N
Edge to Edge Print	Y	Y	Y	Y	N
Limitation Setting	Y	N	N	N	N
Classification Code	Y	Y	N	N	N

RPCS driver discontinued

*1: This function is not supported for PCL5e driver.

*2: This function is available on Mac OS 10.5 or later.

*3: "Centering" feature cannot be selected from PCL driver. However PCL has this feature as the original function.

When printing with Reduce/Enlarge(Zoom) feature of PCL driver, the output will be automatically centered by the PCL's original centering function.

*4: This feature cannot be set from printer driver but is set "On" at "PCL setting" of MFP.

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Counters

- User Tools / Counter Counter OK Print Start
- User Tools System Settings Administrator Tools Display / Print Counter Print Start
- Electronic counter: 8 digits
- Mechanical counter 7 digits – Location: to rear of right cover – Lower Rear Corner.

Paper

Recommended Throughput Material

Not Applicable

Non Recommended Throughput Material

Refer to pages in the Operating Instructions- About This Machine.

Do not use any of the following kinds of paper or a fault might occur:

- Aluminum Foil, Carbon paper,
- Conductive paper
- Paper meant for an inkjet printer
- Bent, folded, or creased paper
- Torn paper
- Thermal fax paper
- Art paper
- Paper with perforated lines
- Hemmed-edge paper
- Tab stock
- Slippery paper
- Perforated paper
- Rough paper
- Thin paper with little stiffness
- Paper with a dusty surface

Special Paper

Not Applicable

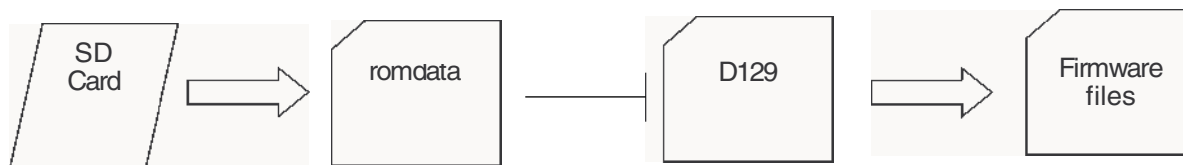
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Firmware Information

Firmware

Firmware SD Card	Firmware Type
Engine	Engine
Fax	Fax
Font EXP	Font EXP
GWFCU3-11(WW)	FCU
Language Install	Language
Network DocBox	Netfile
Network Support	NIB
OpePanel.EXP	LCDC
Option PCL	PCL
Printer	Printer
PS3/PDF	PS3/PDF
Remote Fax	Rfax
Scanner	Scanner
System/Copy	Controller
Web Support	WebSys
Web Uapl	Web DocBox



SD Card Arrangement

Only fwu files are used on the SD Card. For RFU firmware refer to Pub Bulletin 059.

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Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: (800) 537-4264 Savin/Gestetner: (800) 291-6044 Lanier: (800) 333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call - 000900MIU Savin Phone Card: 2 Call - 12992, 5 Call - 12993 Gestetner Phone Card: 2 Call - 12994, 5 Call - 12995
Hytec Parts and Logistics Control	(800) 557-4264 http:// www.nrc-usa.com
Technology Solutions Resource Center	http://www.tscweb.net
Ricoh Web Site	http://www.ricoh-usa.com/
Savin iLINC Web Site	http:// www.savin.com
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com
	Savin Corporation: http://www.savin.com
	Gestetner Corporation: http://www.gestetnerusa.com/
	Lanier Corporation: http://www.lanier.com
Material Safety Data Sheets	(800) 336-MSDS (6737)
Ricoh University	973.882.2200. http://www.ricohuniversity.com

Training Information

Documentation

Description	EDP Code	RFG E-Source Number
D129 Course (5 days) (Part of Blended Learning)	N/A	N/A
Service Manual	N/A	Rfg051312
Parts Catalog	N/A	Rfg051313
Point to Points	N/A	Rfg051314
Operations Manual	N/A	Rfg051315

Please refer to the <http://www.ricohuniversity.com/> web site for the most up to date training information.

Please be aware that once a model or series is out of production, the Field Service Manual, Technical Service Bulletins and Ricoh University should be referenced for the most current information. Check the TSC website and e-source.

D009 series certification is mandatory to take this self paced update. Service Professionals who have not previously achieved D009 series certification must complete the D009 Series Blended Learning Parts 1 & 2., then take the self paced update, or attend the new D129 series Blended Learning parts 1 & 2 once released.

If you have any questions regarding this or any other training, please visit the Ricoh University web site at <http://www.ricohuniversity.com> or contact Ricoh University at (973) 882-2200.

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Revisions

1. Original
2. Removed DOSS Type I as an option 3.0 Added updated DOSS Type I information
3. Add new options on page 5, add rfg# p46