

d-Copia

4523MF_{plus}, 4524MF_{plus}, 5524MF

**PRODUCTIVITY, QUALITY AND SECURITY WITH
CONSIDERATION FOR THE ENVIRONMENT**

The 45 and 55 pages per minute multifunction printers are the ideal choice for medium and large-sized work groups, even in hybrid working situations. These devices offer the optimum balance between compactness, simplicity of use, quality of performance and data security, all with the utmost respect for environmental requirements.

Document workflow is facilitated and optimised by the sleek and intuitive interface of the wide colour control panel, which can be personalised and is compatible with the JaWS integrated software development platform.

The long-lasting components ensure exceptional reliability and help to reduce operating costs as well as environmental impact.

The 55 pages per minute model is designed to manage high printing and scanning workloads; thanks to the document feeder with duplex scanning in only one step, up to 120 pages can be scanned per minute.



HIGH PERFORMANCE

The multifunction printers can be configured for four additional (optional) paper feed trays for up to 2,600 sheets; the standard 1.5 GB memory can be expanded up to 3.5 GB, allowing for better performance in the case of multiple copies and prints or scans of complex documents.

The **Data Security Kit** is already built into the machine and can be activated with the installation of an optional storage device; it ensures that the data saved by the multifunction printers during processing are immediately deleted and overwritten once the process is complete.

Some of the main security features of this range include: an encryption method that improves email security; encryption certification validity checks; device function monitoring with detection of unauthorised activities, and greater security due to the TLS communication protocol.

The possibility to scan in colour or monochrome and send directly to USB, email recipients (scan-to-email), server folders (scan-to-FTP) or shared folders on a PC (scan-to-SMB), speeds up business processes and prevents unnecessary printing.

MOBILE PRINTING

Thanks to the IB-54 and IB-55 options, all the models can connect to **wireless** devices using an access point: IB-54 makes it possible to operate at 5GHz/2.4GHz, while IB-55 (2.4GHz only) is suitable in cases where the 5GHz band is not permitted.

Users can also install the USB wireless network interface kit and configure the connection settings to print via **Wi-Fi Direct®**. Once again, there are two options: IB-37 (USB: 5GHz/2.4GHz) and IB-38 (USB: 2.4GHz).

LOWER ENVIRONMENTAL IMPACT

The many features of these devices are intended to protect the environment: lower energy consumption, environmentally friendly parts, limited packaging, pre-installed toners, low emissions, long-lasting components and the use of recycled materials. In particular, a higher percentage of **recovered plastic material** has been used to produce the covers, increasing from 2.2% in the previous range to the current 7.1%.

ESSENTIAL FUNCTIONS FOR THE MODERN OFFICE

The **7-inch touch operation panel** has a tilt mechanism that reduces the backlight when energy saving mode is detected. The new user interface uses fewer colours to **improve visibility**; the icons and the graphics have also been simplified to allow for a simpler workflow management, thus reducing the risk of mistakes.

The entire range has been equipped with an ARM Cortex-A53 Dual Core 1.4GHz processor, which, in addition to improving general performance and allowing for increased productivity, guarantees **lower consumption** and a consequent decrease in environmental impact, as well as energy bills.

The new optional HD-17 64GB, HD-18 256GB and HD-19 512GB hard disks significantly increase the **storage capacity** and performance of the multifunction printers.

Multi-page documents are easy and fast to manage using the 75-sheet **reversing automatic document feeder** for the 45 ppm models and the 100-sheet **Dual-Scan feeder** for the 50 ppm model. Plus, if DP reading detects a missing image border due to a fold in the paper, an alert sounds and scanning stops automatically to prevent the completion of a job with imperfections. Lastly, dedicated sensors can identify whether the input paper has staples to prevent the scan of several sheets at once.

The **MS-5100 B manual stapler**, available as an optional for the 55 ppm model, staples up to 20 sheets of 80g/m² paper.

The **Scan Extension Kit** makes it possible to generate searchable files by converting images acquired from printed text into **editable text**, into PDF as well as Office format (Word, Excel and Power Point). It can also automatically rotate images to the correct orientation, so users will no longer need to manually turn the pages of the documents being scanned.



High paper capacity with optional feed trays (picture referred to 45 ppm models)



Automatic single-pass document feeder (55 ppm model only)



MS-5100B stapler (55 ppm model only)

TECHNICAL SPECIFICATIONS

4523MFplus

4524MFplus

5524MF

GENERAL

Type:	Desk Printer/Scanner/Copier	Desk Printer/Scanner/Copier/Fax Machine
Technology:	Black and white laser; JaWS (Java and Web Solutions) software development platform	
Print/copy speed (per minute):	Up to 45 A4 ppm	Up to 55 A4 ppm
Duplex print/copy speed (per minute):	Up to 22.5 A4 ppm	Up to 39.5 A4 ppm
Processor:	ARM Cortex-A53 Dual Core 1.4GHz	
Resolution:	1200x1200 dpi (print), 600x600 dpi (scan/copy)	
Operation panel:	7" colour touch display with control panel, speaker for job alerts	
Warm-up time:	Max 23 sec.	Max 25 sec.
First print time:	Max 5.3 sec.	Max 4.5 sec.
First copy time from DP:	Max 6 sec.	
First copy time from glass:	Max 7 sec.	
Memory:	Standard 1.5 GB; max. 3.5 GB (optional)	
Standard interfaces:	USB 2.0 (Hi-Speed), 1 USB Host Interface, Gigabit Ethernet (10BaseT/100BaseTX/1000BaseT), Wireless LAN optional (IEEE 802.11b/g/n), 1 eUIO slot for optional internal print server or SSD hard disk, slot for optional SD card	
Built-in counter:	100 department codes	
Duty cycle (pages/month):	15,000	16,500
Weight:	Base unit approx. 22.5 kg	Base unit approx. 24.1 kg
Dimensions (W x D x H):	Base unit: 475 x 476 x 575 mm	Base unit: 480 x 495 x 590 mm
Power supply:	AC 220 V ~ 240 V, 50/60 Hz	
Energy consumption while printing:	599.4 W	704.1 W
Energy consumption while copying:	591.9 W	719 W
Energy consumption in ready mode:	57.2 W	59.4 W
Energy consumption in stand-by:	0.5 W	0.6 W
Noise level (according to ISO 7779/ISO 9296)		
- during printing/copying:	54 dB(A) LpA	56 dB(A) LpA
- in stand-by:	30 dB(A) LpA	
TEC (kWh/wk):	0.62	0.78

Safety standards: GS, TÜV, CE. These products have been manufactured in compliance with the ISO 9001 quality standard and the ISO 14001 environmental directive.

PAPER HANDLING

Multi-use bypass:	100 sheets, 60-220 g/m ² , A4, A5, A6, B5, B6, Letter, Legal, Folio, Custom (70x140 mm - 216x356 mm), paper for banners up to 915 mm	
Standard tray:	500 sheets, 60-120 g/m ² , A4, A5, B5, Letter, Legal, Folio, Custom (140x210 mm - 216x356 mm)	500 sheets, 60-120 g/m ² , A4, A5, B5, Letter, Legal, Folio, Custom (105x148 mm - 216x356 mm)
Optional tray:	500 sheets, 60-120 g/m ² , A4, A5, B5, Letter, Legal, Custom (92x162 mm - 216x356 mm); (max 4 additional trays)	
Maximum input paper capacity:	2,600 A4 sheets (with additional trays)	
Duplex automatic document feeder:	75-sheet RADF, 50-120 g/m ² , A4, A5, A6, B5, Letter, Legal, Custom (105x148mm - 216x356 mm)	100-sheet single-pass; 50-120 g/m ² , A4, A5, A6, B5, Letter, Legal, Custom (105x148 - 216x356 mm)
Output paper capacity:	Max 250 sheets face down	Max 500 sheets face down with paper full sensor
Standard duplex function:	60-120 g/m ² , A4, A5, B5, Letter, Legal, Custom (140x210 - 216x356 mm)	

PRINT FUNCTION

Print speed per minute:	Up to 45 A4 ppm	Up to 55 A4 ppm
Emulations:	PCL 6 (5c/XL), KPDL 3 (PostScript 3 compatible), PDF Direct Print, XPS Direct Print, AES, Direct Print TIFF/JPEG, Open XPS, URF, PWG Raster, PCLm, Line Printer, IBM Proprinter, Epson LQ-850	
Operating systems:	All current Windows operating systems, Mac OS X 10.9 or later, Chrome OS, Linux	
Fonts/Barcodes:	93 scalable fonts (PCL6/KPDL3); 4 fonts (Calibri); 4 fonts (Cambria); 1 Bitmap font; 45 types of one-dimensional barcodes and 1 type of two-dimensional barcode (PDF417)	
Mobile printing supported:	Olivetti Mobile Print for iOS and Android, AirPrint®, Wi-Fi Direct® (optional)	
Print functions:	Direct PDF printing, IPP 1.0 internet printing, email printing, WSD printing, secure IPP printing via TLS, local and network authentication, IPsec network data encryption, HTTPS, LDAP via TLS, SNMPv3, SMTP via TLS, POP via TLS, encrypted direct PDF printing, printing for Chrome OS	

COPY FUNCTION

Max copy speed:	45 x A4 ppm	55 x A4 ppm
Reduction/magnification ratios:	7 reductions/5 magnifications	
Max format of original:	A4, Legal	
Continuous copying:	1-999	
Zoom:	25-400 % with increments of 1 %	
Image adjustment:	Text + photo, photo, text, diagram/map, printed document	
Other functions:	Electronic collation, identity card copying, 2-in-1, 4-in-1, automatic tray selection, blank page removal	

SCAN FUNCTION

Features:	Scan-to-Email, Scan-to-FTP, Scan-to-SMB, Scan to USB Host, Network TWAIN, WIA, WSD scan, scanning on Chrome OS, AirPrint®	
Scan speed:	<i>One side only:</i> 60 ipm (300 dpi, A4, B&W), 40 ipm (300 dpi, A4, colour); <i>duplex:</i> 26 ipm (300 dpi, A4, B&W), 17 ipm (300 dpi, A4, colour)	<i>One side only:</i> 60 ipm (300 dpi, A4, B&W), 40 ipm (300 dpi, A4, colour); <i>duplex:</i> 120 ipm (300 dpi, A4, B&W), 80 ipm (300 dpi, A4, colour)
Scan resolution:	600 dpi, 400 dpi, 300 dpi, 200 dpi, 256-level grey scale	
Maximum scan format:	A4, Legal	
Identifying originals:	Text, photo, text + photo, light text/fine lines, optimised for OCR	
Image format:	TIFF/JPEG, XPS, Open XPS, PDF, PDF/A, PDF/A-1a/b, PDF/A-2a/b/u, encrypted PDF, high compression PDF	
Compression method:	MMR/JPEG	
Other features:	Banner scanning, colour scanning, integrated address book, Active Directory, encrypted data transfer, simultaneous multiple sending (email, fax, SMB/FTP folder, print), skip blank page	

FAX FUNCTIONS (except d-Copia 4523MFplus)

Compatibility:	-	Super G3
Modem speed:	-	Max 33.6 kbps
Transmission time:	-	Max 3 seconds
Scan speed:	-	Max 2 seconds
Fax resolution:	-	Normal 200x100 dpi, Fine 200x200 dpi, Superfine 200x400 dpi, Ultrafine 400x400 dpi
Max format of original:	-	A4, Legal
Compression method:	-	JBIG, MMR, MR, MH
Address book:	-	200 contacts
Multiple transmission:	-	Up to 100 recipients
Received memory:	-	256 pages or more
Other features:	-	Network fax, duplex transmission and reception, encrypted transmission and reception, polling transmission and reception, broadcast

CONSUMABLES

The average life of the toner cartridges complies with ISO/IEC 19752

Black toner cartridge (B1445)	Up to 14,500 A4 pages (initial toner up to 6,000 pages)	
Black toner cartridge (B1448)		Up to 25,000 A4 pages (initial toner up to 10,000 pages)
Maintenance kit (B1450)	Up to 300,000 pages	
Maintenance kit (B1451)		Up to 500,000 pages
Maintenance kit for document feeder (B1144)	Up to 200,000 pages	
Maintenance kit for document feeder (B1295)		Up to 200,000 pages
Staple cartridge (B1189)	-	SH-13, 2 packs of 1,500 staples

OPTIONS

Paper tray (B3928)	PF-3110 x 500 sheets (max 4 additional trays)	
PT-320 (B4365)	-	Paper output tray 250 sheets face-up
MS-5100 B (B3625)	-	Stapler: up to 20 sheets; includes 1,500 metal staples
CB-365W L (B3687)	Cabinet with paper compartment (low) 38 cm x 41 cm x 25 cm	
CB-360W H (B3686)	Cabinet with paper compartment (high) 38 cm x 41 cm x 51 cm	
CA-3100 (B2331)	Caster kit: unit with casters for added stability. Mandatory when installing 4 optional paper feed trays	
Memory expansions:	MM-20 (1GB)/MM-21 (2GB), DDR3-144pin DIMM	
HD-17 (B2323)	64 GB SSD hard disk	
HD-18 (B2324)	256GB SSD hard disk	
HD-19 (B2325)	512GB SSD hard disk	
Scan Extension Kit (A) (B4498)	Searchable PDF scanning (integrated OCR), MS Office (docx, xlsx, pptx). Requires HD or optional SD card	
IB-37 (B2215)/IB-38 (B2216)	Wireless LAN (802.11b/g/n) with Wi-Fi Direct®: IB-37 2.4-GHz and 5-GHz; IB-38 2.4-GHz	
IB-53 (B2341)	Gigabit Ethernet Board 10 BaseT/100 BaseTX/1000 BaseT	
IB-54 (B2342)/IB-55 (B2343)	Wireless network interface (802.11b/g/n): IB-53 2.4-GHz and 5-GHz; IB-54 2.4-GHz	
UG-33 (B8403)	ThinPrint support	
UG-50 (B2326)	TPM (Trusted Platform Module)	
USB IC-Card reader (+ Card Authentication Kit (B) - B8237)	Supports various types of authentication/card/badge reading	
Card Reader Holder 10 (B4845)	Plastic support to integrate the badge reader into the control panel	