

Pivot to a Smarter Workflow

High Productivity

- 100-sheet DSPF scans documents at 110 opm*¹ (two-sided)
- Space-efficient inner finisher (option) automates document sorting and stapling
- Main unit paper tray and multi-bypass feeder accommodate a wide variety of paper sizes, including A6
- Optional paper feed unit feeds legal size paper and paper up to 220 g/m² thick
- Print Release function enables printout from any compatible networked MFD*²
- Direct printing of Microsoft® Office (docx, xlsx, pptx) files*³
- OCR allows users to convert scanned documents into editable Office Open XML (docx, xlsx, pptx) files and searchable PDFs
- Business card feeder on the DSPF scans batches of up to 25 cards
- Enables creation of business card databases via OCR*⁴
- Card Shot (Multi) function facilitates two-sided scanning of up to four cards at once, automatically saving them as separate files
- Multicrop/Image Crop functions simultaneously scan multiple receipts/photos and save them as separate files
- Supports compact PDF
- For large-volume scanned data, a URL can be generated and shared via email
- Standard-equipped with high-speed Super G3 fax and PC-Fax

Superb Image Quality

- Genuine Adobe PostScript 3 as standard
- Sharp's proprietary Auto Colour Mode, further improved for enhanced scan/copy performance
- Automatically makes settings according to document type—provides optimal scan results

*1: Originals per minute; when feeding A4 sheets. *2: Contact a Sharp customer representative for details on the recommended maximum number of connectable MFDs.

*3: This function is enabled via Qualcomm® DirectOffice™ technology. *4: Scans one side only, even when using document feeder. *5: "Footprint" refers to the part directly adjacent to the floor or desk space. The numerical value is for the MFD's base unit only. *6: Requires commercially available Ethernet adaptor that supports two lines. *7: The NFC interface is for Android™ devices. Requires commercially available NFC card reader. *8: Exchange Server 2010/2013/2016, Exchange Online

Exceptional Ease of Use

- Easy UI mode on 7.0-inch colour LCD touchscreen
- Dedicated user icons allow quick login to personalised operation screen
- Control panel tilts at various angles for easy access
- Extremely small footprint*⁵ (428 x 507 mm)

Secure Information Sharing

- Accommodates two Ethernet networks*⁶
- Built-in wireless connectivity enables easy access from mobile devices and flexible MFD placement
- NFC*⁷ and QR Code® enable easy direct connection between MFD and mobile device
- Supports Sharpdesk Mobile print/scan application and various mobile printing services
- Application Portal offers apps for downloading and installing onto MFD
- Easy access to public cloud services such as Dropbox via single sign-on
- Sends scanned data via Gmail™ or Microsoft Exchange/Online*⁸ accounts
- Sharp OSA (Open Systems Architecture) allows integration with network and cloud-based applications
- Advanced system/data protection and access control, including firmware self-recovery and whitelisting



MX-B456WH

SPECIFICATIONS

General

Type	Desktop
Engine speed	A4*1: Max. 45 ppm
Control panel display	7.0-inch colour LCD touchscreen
Paper size	Max. A4, min. A6
Paper capacity (80 g/m ²)	Standard: 550 sheets (500-sheet tray and 50-sheet multi-bypass tray) Maximum: 2,350 sheets (550 sheets & optional 600-sheet tray x 3)
Paper weight	Tray 1: 60 g/m ² to 105 g/m ² Trays 2-4 (MX-CS14 N): 55 g/m ² to 220 g/m ² Multi-bypass tray: 55 g/m ² to 220 g/m ²
Warm-up time*2	20 sec.*3
Memory	5 GB (copy/print shared) 500 GB HDD*4
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption	Max. 1.84 kW (220 V to 240 V)
Dimensions (W x D x H)*5	492 x 517*6 x 638 mm (
Weight (approx.)	33 kg

Copier

Original paper size	Max. A4
First copy time*7	3.7 sec.
Continuous copy	Max. 9,999 copies
Resolution	Scan: 600 x 600 dpi, 600 x 400 dpi Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on copy mode)
Gradation	Equivalent to 256 levels
Zoom range	25% to 400% (25% to 200% using DSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 7 ratios (4R/3E)

Scanner

Scan method	Push scan (via control panel) Pull scan (TWAIN-compliant application)
Scan speed*8 (colour & B/W)	One-sided: Max. 70 originals/min. Two-sided: Max. 110 originals/min.
Resolution	Push scan: 100, 150, 200, 300, 400, 600 dpi Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 dpi to 9,600 dpi via user setting*9
File formats	TIFF, PDF, PDF/A-1a, PDF/A-1b, encrypted PDF, XPS, compact PDF*10, JPEG*10, searchable PDF, OOXML (docx, xlsx, pptx), text (TXT [UTF-8]), rich text (RTF)
Scan destinations	Scan to email/desktop*11/FTP server/network folder (SMB)/USB drive/HDD

Document Filing

Document filing capacity*12	Main and custom folders: 20,000 pages or 3,000 files Quick file folder: 10,000 pages or 1,000 files
Stored jobs	Copy, print, scan, fax
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)

Printer

Resolution	600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0 (host, high-speed), 10Base-T/100Base-TX/1000Base-T, wireless LAN (IEEE 802.11 b/g/n)
Supported OS	Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Windows Server 2022, Windows 8.1, Windows 10, Windows 11, Mac OS 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 11, 12
Network protocols	TCP/IP
Printing protocols	LPR, Raw TCP (port 9100), POP3 (email printing), HTTP, FTP for downloading print files, IPP, SMB, WSD
PDL	PCL 6 emulation, Adobe PostScript 3
Available fonts	80 fonts for PCL, 139 fonts for Adobe PostScript 3

Facsimile

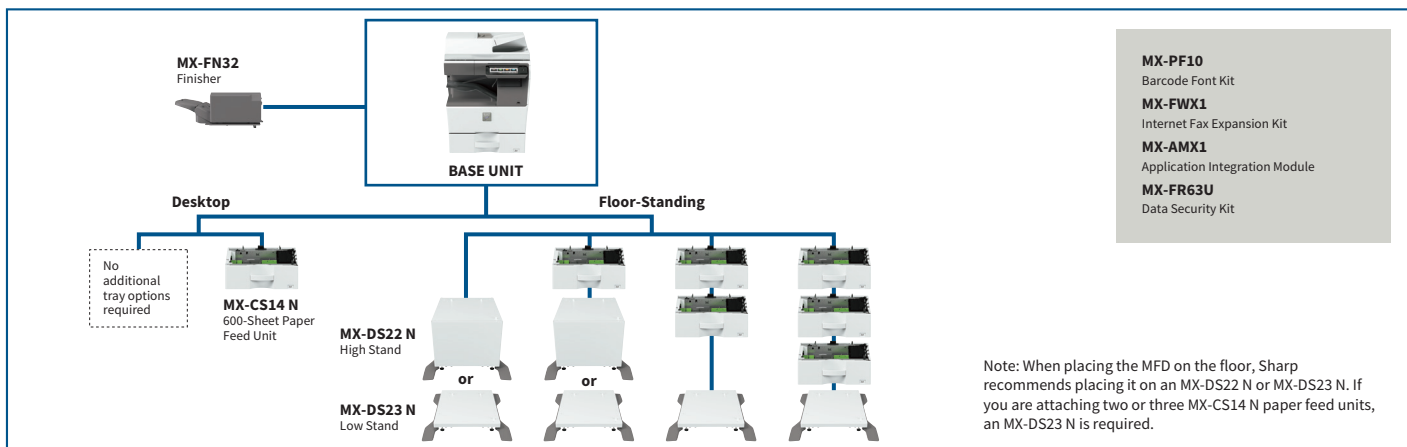
Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*13
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording size	A4 to A5
Memory	1 GB (built-in)
Greyscale levels	Equivalent to 256 levels

*1: Short-edge feeding. *2: In a standard measurement environment. May vary depending on operating conditions and environment. *3: When starting the MFD via the power button. 30 sec. when starting via the main power switch. *4: HDD capacity depends on procurement and sourcing status. *5: Including adjusters and protuberances. *6: 533 mm when the control panel is tilted at the flattest horizontal angle. *7: Short-edge feeding of A4 sheets from 1st paper tray, using document glass, MFD in fully ready condition. May vary depending on operating conditions and environment. *8: Scan speed will vary depending on the type of document and the scan settings. Based on Sharp's A4 standard chart, using document feeder, short-edge feeding, and factory default settings. *9: Resolution will vary depending on the size of the scanned area. *10: Colour/greyscale only. *11: Requires Network Scanner Tool Lite. *12: Storage capacity will vary depending on the type of document and the scan settings. *13: Based on Sharp's standard chart with approx. 700 characters (A4 short-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

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SYSTEM CONFIGURATION

Qualcomm® DirectOffice™



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