SHARP

Be Original.

MX-B456WH

Digital Multifunctional System

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/m^2 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 scan settings according to document type—provides optimal scan results

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

*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

45 PPM MX-B456WH · COPY · PRINT · SCAN · FAX · OSA> Sharp Open Systems Architecture

simply better business

MX-B456WH
Digital Multifunctional System

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

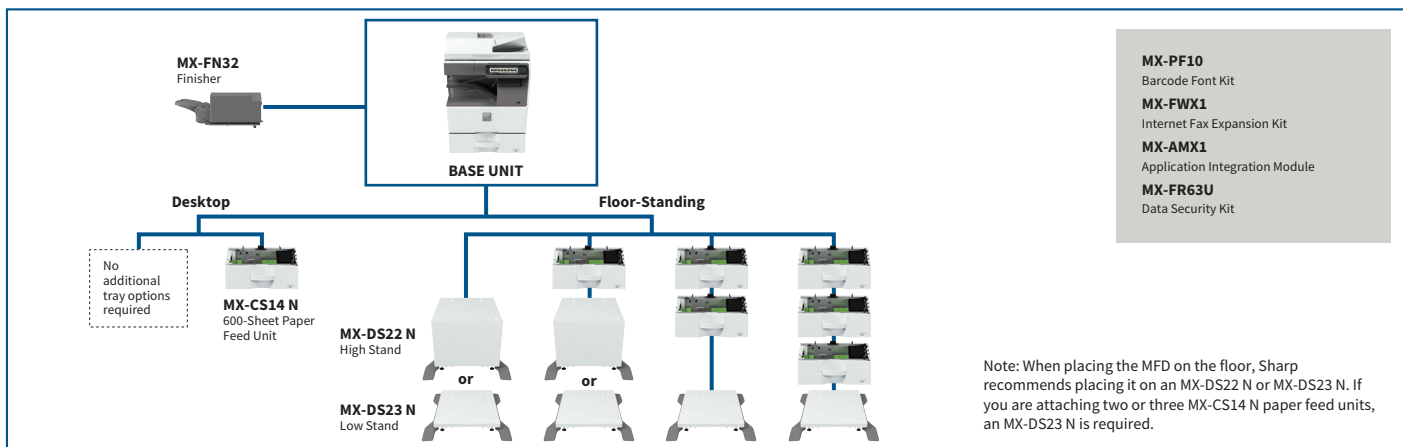|	
Resolution	600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0 (host, high-speed), 10Base-T/100Base-TX/1000Base-T, wireless LAN (IEEE 802.11 b/g/n)
Supported OS	Windows Server® 2008, Windows Server® 2008 R2, Windows Server® 2012, Windows Server® 2012 R2, Windows Server® 2016, Windows Server® 2019, Windows® 7, Windows® 8.1, Windows® 10, Windows® 11, Mac OS 10.9, 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.

SYSTEM CONFIGURATION

Qualcomm® DirectOffice™

MX-FN32 Finisher

BASE UNIT

Desktop

Floor-Standing

No additional tray options required

MX-CS14 N 600-Sheet Paper Feed Unit

MX-DS22 N High Stand

MX-DS23 N Low Stand

or   or

MX-PF10 Barcode Font Kit

MX-FWX1 Internet Fax Expansion Kit

MX-AMX1 Application Integration Module

MX-FR63U Data Security Kit

Note: When placing the MFD on the floor, Sharp recommends placing it on an MX-DS22 N or MX-DS23 N. If you are attaching two or three MX-CS14 N paper feed units, an MX-DS23 N is required.