

ADVANCED SERIES DESKTOP MONOCHROME DOCUMENT SYSTEMS

A higher benchmark of innovation.

The MX-B355W and MX-B455W Advanced Series desktop monochrome document systems deliver crisp, high-quality output with exceptional ease of use. These new models provide customers with an intuitive user experience and the confidence of knowing their jobs will come out right the first time, every time. Designed with high-performance features typically found on larger machines, the compact MX-B355W and MX-B455W deliver the productivity you need with the performance and reliability you want.

Key Features

- **Ease of Use** – Sharp’s customizable touchscreen display offers a user-friendly graphical interface with a clean design, simplified Easy Modes, and integrated operation guide.
- **Integration** – Equipped with the latest version of Sharp OSA® technology for easy integration with network applications and cloud services, these models can unlock advanced capabilities to help you better manage your workflow.
- **Productivity** – Offers out-of-the-box copy, print, scan and fax capabilities, plus standard Cloud Connect features combined with wireless networking enable users to easily manage their workflow from PCs, smart phones and tablets.



Flexible document handling with optional compact inner finisher offers three position stapling.



Easy-to-use 7" smart touchscreen with tablet-style menu provides quick access to features.



Sharp’s ImageSEND™ feature provides one-touch distribution to email, cloud applications and more.

A compact design with advanced workflow features to enhance document workflow.

- Standard **Copy, Print, Scan** and **Fax** capability right out of the box.
- **100-sheet duplexing document feeder** on the MX-B455W scans both sides of document in a single pass, enhancing productivity while also maintaining the integrity of your originals and minimizing wear on the feeder.
- Both models can feed **letter** size, **legal** size, **statement** size and **business card** size original documents.
- Built-in **Optical Character Recognition (OCR)** function can convert scanned documents to text-searchable PDF format, Microsoft® Office file formats, and more.
- Network ready **PCL® 6** and **Adobe® Postscript® 3™** printing systems deliver crisp, clear documents at up to 45 pages per minute..
- Standard Compact PDF feature dramatically reduces the file size of most color scanned documents, resulting in **decreased network traffic** and more efficient use of disk and cloud storage.
- **Customizable touchscreen display** with a clean design enables easy access to features and functions when setting up jobs.
- **Direct print** Microsoft Word, PowerPoint® and Excel® files from thumb drives, cloud applications, network folders and more. This function is enabled via DirectOffice™ technology.
- Offers up to **five paper sources** with available 2,350-sheet maximum paper capacity
- Easily **access popular cloud applications**, including Microsoft OneDrive® for Business, SharePoint® Online, Box.com and Google Drive™ with Sharp’s Cloud Connect features.
- **Supports popular networking technologies**, enabling users to easily print files from a smart phone, a tablet, and even a Chromebook™.
- **Standard security platform** includes 256-bit encryption, up to 10-times data overwrite and an End-of-Lease feature that erases all data and personal information at trade-in.

MX-B355W/B455W SPECIFICATIONS

Main Specifications

MX-B355W/B455W	Base models include multitasking controller, 50-sheet RSPF (MX-B355W)/100-sheet DSPF (MX-B455W), PCL 6 and Adobe PostScript® 3™ printing systems, network scanning, auto duplexing, 1 x 500-sheet paper drawer, 50-sheet bypass tray. Black developer is included.	
Type	Desktop monochrome multi-function document system	
Display	7" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)	
Functions	Copy, print, network print, network scan, document filing and fax	
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/roller fusing/white LED exposure	
Originals	Sheets and bound documents	
Max. Original Size	8½" x 14"	
Output Size	Min. 5½" x 8½", Max. 8½" x 14"	
Copy Speed	35/45 ppm	
Multiple Copy	Max. 9,999 copies	
First Copy Time (in seconds)²	MX-B355W	MX-B455W
	Platen Glass	5.3
	Doc. Feeder	7.3
		3.7
		5.5
Warm Up Time	30 seconds (from main switch on), 20 seconds (from power button on)	
Magnification	25% to 400% in 1% increments (with document feeder 25% - 200%)	
Original Feed	50-sheet RSPF (MX-B355W), 100-sheet DSPF (MX-B455W)	
Scan Speed	MX-B355W: up to 40 ipm MX-B455W: up to 110 ipm	
Original Sizes	5½" x 8½", 8½" x 11", 8½" x 14", 2" x 3½" business card	
Paper Capacity	Standard: 550 Sheets/Maximum: 2,350 Sheets	
Paper Feed System	Standard: (1) 500-sheet paper drawer (letter/statement size) and 50-sheet bypass tray (letter/legal/statement/envelope size). Optional: up to 3 additional 600-sheet paper drawers (letter/legal/statement).	
Paper Weights and Types	Paper drawers: 16 lb. bond to 28 lb. bond. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper. Bypass tray: 16-28 lb. bond (plain paper), 13-16 lb. bond (thin paper), 28 lb. bond-80 lb. cover (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film.	
Duplexing	Standard automatic duplex copying and printing	
CPU	Up to 1.4 GHz multi-processor design	
Interface	RJ-45 Ethernet (10/100/1000 Base-T), USB 2.0: 2 host ports (front and rear), 1 device port (rear), Wireless 802.11 b/g/n	
Memory	Standard 5 GB copy/print (shared)	
Hard Disk Drive	500 GB	
Copy Resolution	Up to 600 x 600 dpi	
Exposure Control	Modes: Automatic, Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color Document. Settings: Auto or 9 step manual	
Halftone	256 gradations/2 levels (monochrome)	
Copy Features	Scan-Once Print-Many, electronic sorting, Auto Paper Selection (APS), Auto Magnification Selection (AMS), Auto Tray Switching (ATS), black-white reversal, blank page skip, card shot, center erase, centering, cover pages, edge erase, image edit, image preview, insert pages, job build, job programs, margin shift, mirror image, mixed size original, original count, pamphlet style, proof copy, repeat layout, stamp, stamp custom image, suppress background, toner save mode, transparency inserts, watermark, 2-in-1 / 4-in-1 / 8-in-1 multi shot	
Account Control	Up to 1,000 users. Supports user authentication via user-number, local login name/password, LDAP or Active Directory® for all modes	
Output Tray Capacity	Center Exit Tray (Main): 280 sheets (face down) Inner Finisher: 280 sheets (face down)	
Cloud Supported Services	Google Cloud Print, Google Drive, Gmail, OneDrive for Business, SharePoint Online, Exchange Online, Box.com	
Network Protocols	TCP/IP (IPv4, IPv6, IPsec), HTTP/HTTPS, IPP/IPP-SSL, FTP/FTPS, SNMPv3, SMTP/SMTP-SSL, POP3/POP3-SSL, LDAP/LDAP-SSL, 802.1x for Windows and Unix.	

Main Specifications (continued)

Network and Data Security	Includes IP/MAC address filtering, protocol filtering, port control, TLS Encryption, Kerberos, Active Directory integration, AES 256 bit data encryption, data overwrite (up to 10 times), US Department of Defense data wipe standard DoD 5220.22-M and End-of-Lease feature
Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Manager)
Device Setup	Web-based management/cloning with user/administrator level login
Service/Functions	Remote Front Panel, remote access to service logs and click counts
Accessibility Features	Free stop tilting front panel, adjustment of key touch sound and volume, concave key, document feeder free stop, job programs, remote front panel, universal grip for paper trays, and disable screen timeout
Environmental Standards	International ENERGY STAR Program Ver. 2.0, European RoHS, Blue Angel (RAL-UZ205)
Power	AC 110-127 VAC, 60 HZ, 15 A Receptacle
Power Consumption	1.44 kW or less
Weight	Approx. 69 lbs.
Dimensions	Approx. 19-3/8" (w) x 20-3/8" (d) 25-1/8" (h)
Network Printing System	
PDL	Standard PCL compatible 6, Adobe PostScript 3
Resolution	600 x 600 dpi
Print Speed	35/45 ppm (8½" x 11")
Print Drivers	Windows 7, Windows 8.1, Windows 10, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2016, Windows PPD, MAC OS X® (including 10.6 to 10.12), all MAC PPD, Linux® PPD
Mobile Printing	AirPrint, Android printing framework (Sharp Print Service Plugin), Sharpdesk Mobile ³
Print Features	Auto configuration, serverless print release, bar code font printing, carbon copy print, chapter inserts, confidential print, custom image registration, different cover page/last page/other page, document control, document filing, duplex printing, electronic sorting, form overlay, hidden pattern print, image rotation, image stamp, image type, job retention, layout print, margin shift, network tandem print, N-up printing, page interleave, pamphlet style, proof print, print and send, stapling, toner save mode, transparency inserts, tray status, user authentication, watermarks, zoom print. ¹
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Compact PDF, Encrypted PDF, PostScript, DOCX, XLSX, PPTX, and PNG. Methods: FTP, SMB, Web page, Email and USB memory
Resident Fonts	80 outline fonts (PCL), 139 fonts (PS)
Operating Systems and Environments	Windows 7, Windows 8.1, Windows 10, Windows Server® 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2016, Mac OS X 10.6-10.12, UNIX®, Linux®, Citrix® (XenApp 5.0-7.6), Windows Remote Desktop Services, SAP device types ¹
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP, POP3, HTTP, LPD and LPR for Unix
Network Scanning System	
Scan Modes	Standard: Color, monochrome, grayscale
Max. Original Size	8½" x 14"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option) ¹
Image Formats	Monochrome: TIFF, PDF, PDF/A, Encrypted PDF, XPS, Searchable PDF, DOCX, XLSX, PPTX, TXT, and RTF. Color/Grayscale: TIFF, JPEG, PDF, PDF/A, Compact PDF, Encrypted PDF, XPS, Searchable PDF, DOCX, XLSX, PPTX, TXT, and RTF. Internet Fax: TIFF-FX, TIFF-F, TIFF-S ¹
Scan Destinations	Email, Desktop, FTP, Folder (SMB), USB, Super G3 fax, Internet fax (option)

Network Scanning System (continued)

One-touch Destinations	Up to 2,000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Enhanced Email Integration	Standard Gmail connector, standard Exchange connector (on-premise and online)
Scanning Protocols	HTTP/HTTPS, FTP/FTPS, SMTP/SMTP/SMTP-SSL/ESMTP, POP3, LDAP, S/MIME
Software	Sharpdesk® desktop personal document management software (1 user license included), Sharpdesk Mobile (download)

Super G3 Facsimile Function

Communication Line	Public Switched Telephone Network (PSTN)
Transmission Mode	Super G3, G3
Modem Speed	Maximum 33.6 KBPS with auto fallback
Compression	JBIG, MMR, MR, MH
Scanning Method	Sheet fed or manual feed from platen glass
Transmit Resolution	400 x 400 dpi (ultra-fine), 200 x 400 dpi (super-fine), 200 x 200 dpi (fine), 200 x 100 (standard)
Halftones	256 levels
Transmit Speed	Approx. 2 seconds per page in Super G3 mode
Auto Dialing	Up to 1000 destinations (combined)
Group Dialing	Up to 500 groups
Inbound Fax Routing	To email address, FTP or SMB using Transmit Terminal Identification (TTI), also Document Administration function can send blind copy of transmissions and receptions to an administrator email address, FTP or SMB location.
Max. Original Length	Up to 19.5"
Programs	48 (combined)
Memory	1 GB (shared)
Features	Transaction Reports, Activity Reports, PC Fax, F-Code communication, Memory Transmission, Quick On-line Transmission, Inbound Fax Routing, Anti-junk Fax Reception, Secure Fax Release, Out-of-Paper Memory Reception, Auto Redial, Auto Exposure, Chain Dialing, Polling Reception, Duplex Reception and ITU-T.37 Internet Fax Option.

Optional Equipment

MX-DS22	High Stand
MX-DS23	Low Stand
MX-CS14	600-sheet Paper Feed Unit
MX-FN32	30-sheet Staple Inner Finisher
MX-SCX1	Staple Cartridge for MX-FN32
MX-FWX1L	Internet Fax Kit
MX-PF10	Bar Code Font Kit
MX-AMX1L	Application Integration Module
DVENDFS	Generic Vendor Interface Kit
MX-FRS9U	Commercial Data Security Kit (not available at time of launch)

Supplies

MX-B45NT	Toner Cartridge
MX-B45NV	Developer
MX-B45DU	Drum

¹ Some features require optional equipment. See your local dealer.
² May vary depending on product configuration, machine settings and operating and/or environmental conditions.
³ Go to www.sharpsusa.com for a list of supported devices and operating systems.



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