

ESSENTIALS SERIES DESKTOP MONOCHROME DOCUMENT SYSTEMS

Multifunction Document Systems That Will Exceed Your Expectations

The MX-B350W and MX-B450W Essentials Series desktop document systems deliver output speeds up to 35 ppm and 45 ppm respectively, and include out-of-the-box copying, network printing, network scanning and faxing capabilities. These models also offer a compact footprint and wireless networking capability, making them suitable for virtually any size office environment. Both models deliver a low cost per page, offering a great choice for cost-conscious businesses.

Key Features

- **Productive** – Delivers essential features for business environments, including network printing, network scanning, faxing, USB direct printing and mobile device printing using Sharpdesk® mobile.
- **Versatile** – A compact design combined with wireless networking capability makes it easy to place the MX-B350W and MX-B450W in both large and small offices.
- **Economical** – Exceptionally low cost per copy along with minimal energy consumption ensure an economical cost of ownership.



Compact design easily fits into small office spaces



Easy-to-use 5-line LCD operation panel



Front USB port for easy direct printing of files from memory devices

Additional features to help your business gain the competitive advantage

- **Standard** copy, print, scan and fax functionality out of the box.
- Standard **PCL® 6 and PostScript® 3™** printing capability.
- Offers up to three paper sources with available **1,150-sheet maximum paper capacity**.
- 50-sheet reversing single pass feeder **scans up to 40 images per minute**.
- Front **USB port** for **easy direct printing** of PDF files from memory devices.
- **Standard wireless** networking capability for easy placement and setup.
- Productive **printing and copying: up to 35 ppm (MX-B350W) and 45 ppm (MX-B450W)**.
- **ID Card Copy** function quickly copies both sides of an ID card on a single page.
- **600 x 600 dpi** printing delivers clear, crisp images and text page after page.
- **Compact design** easily fits into small office spaces in desktop or console configurations.
- **Sharpdesk®** Mobile app enables **scanning to and printing from** mobile devices such as smart phones and tablets.
- Sharp's microfine toner technology helps ensure **solid image density and balance**.

MX-B350W/MX-B450W SPECIFICATIONS

Main Specifications

MX-B350W/B450W	Base models include multitasking controller, 50-sheet RSPF, auto duplexing, 1 x 500-sheet paper drawer, 50-sheet bypass tray. Starter toner and full developer is included.	
Type	Desktop monochrome multi-function document system	
Display	5-line LCD Panel	
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drum/roller fusing/white LED exposure	
Originals	Sheets and bound documents	
Max. Original Size	8½" x 14"	
Output Size	Min 5½" x 14", Max 8½" x 14"	
Multiple Copy	Max. 999 pages	
Copy Speed	35/45 ppm	
First Copy Time (in seconds)*	MX-B350W	MX-B450W
Platen Glass	9.0	8.5
Doc. Feeder	9.5	9.0
Warm Up Time	29 seconds	
Magnification	25% to 400% on platen (with document feeder 25%-200%)	
Original Feeder	50-sheet RSPF	
Scan Speed	Copy: Up to 40 ipm (B&W) Scan: Up to 40 ipm (B&W), 13 ipm (color)	
Paper Capacity	Standard: 550 Sheets/Maximum: 1,150 Sheets	
Paper Feed System	Standard: (1) 500-sheet paper drawer (letter/statement size) System and 50-sheet bypass tray (letter/legal/statement/envelope size). Optional: 600-sheet drawer (letter/legal).	
Paper Weights and Types	Paper drawers: 16-28 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 800 Mhz multi-processor design	
Interface	RJ-45 Ethernet (10Base-T, 100Base-TX, 1000Base-T), Wireless (IEEE802.11 n/g/b), USB 2.0 (1 host ports, front), USB 2.0 (1 device port, rear)	
Memory	Standard 1 GB copy/print shared	
Copy Resolution	Up to 600 x 600 dpi	
Exposure Control	Modes: Text, Text/Print Photo, Photo. Settings: Auto or 5 step manual Halftone 256 gradations / 2 level monochrome	
Copy Features	Scan-Once Print-Many, electronic sorting, Auto Tray Switching (ATS), centering, ID Card Copy, Sharpness, 2-in-1 / 4-in-1 multi shot	
Account Control	Up to 30 users. Supports user-number authentication	
Firmware Management	Firmware can be updated by USB memory	
Device Setup	Web-based management/cloning with user/admin level login	
Service/Functions	Remote access to service logs and click counts	
Accessibility Features	Section 508, concave key, operation position, BEEP sound on standard values, adjustment of key touch speed, adjustment of key touch sound, key repeat disable, screen timeout disable, adjustment of key touch sound, job program, universal handle accessibility support of status LED	
Environmental Standards	European RoHS	
Power	AC 120 VAC, 60 HZ, 15 A receptacle	
Power Consumption	1.44kW	
Weight	Approx. 64 lbs.	
Dimensions	Approx. 19 3/8" (w) x 20 3/8" (d) x 22 1/16" (h)	
Network Printing System		
PDL	Standard PCL 6, PostScript 3 compatible	
Resolution	600 x 600 dpi	
Print Speed	35/45 ppm (8½" x 11")	
Print Drivers	Windows Server® 2008, Windows Server® 2008 x64, Windows Server 2012 x64, Windows 7, Windows 7 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64, Windows Server 2016 x64, MAC OS X® (including 10.6 to 10.13)	
Features	Windows cluster print, ROPM, duplex printing, driver delivery functions, toner save mode, electronic sorting, N-up printing, image rotation, watermarks, job retention	

Main Specifications (continued)

Direct Printing	TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF (without password only), PostScript
File Types	
Direct Print	FTP, USB memory, webpage, email and network folder
Methods	
Resident Fonts	80 outline fonts (PCL), 136 fonts (PS)
Network Interface	RJ-45 Ethernet, 10 Base-T/100 Base-TX /1000 Base-T, USB 2.0, wireless
Operating Systems	Windows Server 2008, 2012 & 2016, Windows Systems 7, Windows 8, Windows 10 Mac OS (X10.6 – 10.13)
Network Protocols	TCP/IP (IPv4, IPv6), USB 2.0
Printing Protocols	LPR, IPP, Raw TCP (port 9100) and FTP
Network Security	IP/MAC address filtering, protocol filtering, port management and user authentication
Mobile Device Access	Supports Sharpdesk Mobile software, a free downloadable app for mobile products such as iPad®, iPhone®, Android™, Windows® 10, 8.1 or Windows RT 8.1 devices. For supported versions, please visit www.sharppusa.com
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 Formats	Monochrome: TIFF, PDF Color Grayscale/Color: TIFF, JPEG, PDF
Image Compression	Monochrome Scanning Uncompressed, G3 (MH), G4, (MR/MMR) Color/Grayscale JPEG (high, middle, low)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Super G3 fax
One-touch Destinations	Up to 100 (email address only)
Group Destinations	Up to 300 (email address only)
Programs	2
Network Protocols	SMTP/FTP (TCP/IP)
Network Security	User authentication with LDAP and Active Directory
Super G3 Fax	
Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS
Compression Methods	MMR, MR, MH, JBIG
Scanning Method	Sheet fed simplex or duplex or book
Max. Resolution	Approx. 206 x 391 dpi
Transmit Speed	Less than 3 seconds
Auto Dialing	Up to 300
Group Dial	Up to 100
Inbound Fax Routing	SMB
Memory	64MB (built-in)
Halftone	256 levels
Optional Equipment	
MX-DS22N	High Stand
MX-DS23N	Low Stand
MX-CS14N	600-sheet Paper Feed Unit
Supplies	
MX-B45NT	Toner Cartridge
MX-B45NV	Developer
MX-B45DU	Drum Unit

* May vary depending on product configuration, machine settings and operating and/or environmental conditions.



SHARP ELECTRONICS CORPORATION
100 Paragon Drive, Montvale, NJ 07645
1-800-BE-SHARP • www.sharppusa.com

Design and specifications subject to change without notice. Sharp, Sharpdesk, My Sharp and all related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated companies. Windows, Windows Server are registered trademarks of Microsoft Corporation. Adobe and PostScript are registered trademarks of Adobe Systems Inc. All other trademarks are the property of their respective owners.