

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, making them 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** – The MX-B350W and MX-B450W comply with the latest ENERGY STAR® standards, making them economical to use.



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.
- Includes 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 black 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 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/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 | | |

Main Specifications (continued)

| | | | |
|--------------------------------|---|--|--|
| Accessibility | 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 | International ENERGY STAR Program Ver. 2.0, European RoHS, | | |
| Power | AC 120 VAC, 60 HZ, 15 A receptacle | | |
| Power | 1.44kW | | |
| Consumption | | | |
| 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 | | |
| Direct Printing | TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF (without password only), PostScript | | |
| File Types | TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF (without password only), PostScript | | |
| Direct Print Methods | FTP, USB memory, webpage, email and network folder | | |
| 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, Window 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 | Color, monochrome, grayscale | | |
| Standard | | | |
| Max. Original Size | 8½" x 14" | | |
| Optical Resolution | 600 dpi | | |

Network Scanning System (continued)

| | | | |
|-------------------------------|---|--|--|
| 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 | Monochrome Scanning Uncompressed, | | |
| Compression | 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 ² | | |
| Compression Methods | MMR, MR, MH, JBIG | | |
| Scanning Method | Sheet fed simplex or duplex or book | | |
| Max. Resolution | Approx. 206 x 391 dpi | | |
| Transmit Speed | Approx. 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-DS22 | High Stand | | |
| MX-DS23 | Low Stand | | |
| MX-CS14 | 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.



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