

## POWERFUL PERFORMANCE ANYWHERE YOU NEED IT

Sharp's MX-B402 offers productivity in action to speed output and streamline document workflow for enhanced performance.

the SHARP® Frontier Series, bringing exceptionally crisp output closer to your workgroup with a hybrid design that has a small footprint to fit into environments others won't, yet isn't small on functionality. The large 7" wide-screen color touch-panel simplifies operation by providing an intuitive user interface to keep ahead of today's fast-paced office document distribution needs. Incorporating common controller architecture, this model provides uniform functionality and operability as found in Sharp's award-winning MFP product line. Engineered to help reduce operating costs and downtime, the MX-B402 is easier than ever to set up, monitor, and maintain. This model offers modular expandability, remote-access capabilities, and a value-added approach to network and software integration. The latest in a long line of innovative products from today's fastest-growing name in office electronics, it also offers Sharp's award-winning SHARP OSA® platform and the optional industry-leading Sharp security suite to help protect data and control access. In addition, its ease and versatility will change your mind about MFPs. More power, less complexity...that's work without limits.

Sharp combines the simplicity and convenience of network printers with the multi-tasking productivity of MFPs to achieve the best of both worlds. The MX-B402 is an exciting example of

- Crisp black-and-white documents can be quickly and accurately produced at speeds up to **40** pages per minute, and print resolutions up to **1200 x 1200 dpi**.
- Powerful 800 MHz controller for **true multi-tasking** performance and increased **multi-functional** productivity.
- The **high-yield** toner cartridge provides **double the lifespan** versus its predecessor.
- The **refillable developer** system helps **lower cost per copy** and **increases environmental sustainability**.
- Large **7" high-resolution, wide-screen color touch-panel** with intuitive graphical user interface makes advanced copying, printing, scanning and faxing functions easy-to-use.
- The optional, **space-saving Inner Finisher** not only provides exceptional productivity, but also automates time-consuming tasks such as stapling, sorting and offset stacking.
- The optional **Business Card Feeder** can help automate contact database entry.
- Standard 50-sheet reversing single pass document feeder supports **full-color** scanning.
- Sharp's **ImageSEND™** technology securely scans documents to seven types of destinations at speeds up to 35 images per minute.
- Sharp's easy-to-use Document Filing System provides a high-capacity 80 GB of hard drive space for **fast document storage and retrieval**, with **thumbnail view and image preview**.
- Standard PCL®6/PCL5e **printing system** with **direct print** function and available Postscript® 3™ and Windows® XPS options.
- The optional **Super G3 Fax Kit** provides intelligent Inbound Fax Routing.
- Third-generation Sharp OSA development platform enables users to **access network applications**, helping to **reduce redundancy and streamline workflow**.
- Offers Sharp's latest **award-winning** multi-level document and network **security suite**, which conforms to the **IEEE-2600™ – 2008 security standard** for MFP devices.
- The cutting-edge Sharp **Remote Front Panel** feature allows administrators and help desk professionals to access and control the device from a remote PC workstation.



# MX-B402 SPECIFICATIONS

## Main Specifications

<b>MX-B402</b>	Includes multi-tasking controller, 80 GB HDD with document filing system, PCL <sup>®</sup> 5e/PCL 6/PostScript <sup>®</sup> 3 network printing, network scanning, 50-sheet RSPF, auto-duplex, 500-sheet paper drawers and 100-sheet bypass. Toner and developer are sold separately.
<b>Type</b>	Monochrome multi-function digital document system
<b>Functions</b>	Copy, print, network print, network scan, document filing and fax <sup>1</sup>
<b>Copy System</b>	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Heat Roller fusing/Cold cathode white lamp
<b>Originals</b>	Sheets and bound documents
<b>Max Original Size</b>	8-1/2" x 14"
<b>Copy Size</b>	Min: 5-1/2" x 8-1/2", Max: 8-1/2" x 14"
<b>Copy Speed</b>	40 ppm (Letter)
<b>Multiple Copy</b>	Max: 999 copies
<b>First Copy Time</b>	Platen glass: 8.0 seconds or less <sup>2</sup> RSPF: 9.9 seconds or less <sup>2</sup>
<b>Warm-Up Time</b>	50 seconds or less
<b>Magnification</b>	50% to 200% in 1% increments (50 to 200% for RSPF)
<b>Original Feed</b>	50-sheet RSPF with original size detection
<b>Scan Speed</b>	Copy mode (Simplex): Up to 35 ipm (B&W) @ 600 X 300 dpi. Network Scan (Simplex): Up to 35 ipm (B&W or color) @ 200 x 200 dpi.
<b>Original Sizes</b>	5-1/2 x 8-1/2 / 8-1/2 x 14 (1-sided: 9 to 32 lb. bond; 2-sided: 13 to 28 lb. bond)
<b>Paper Feed System</b>	Standard: 500 sheet paper drawer (Letter/Legal) and 100-sheet bypass tray (Letter/Legal). Optional: Up to 3 additional 500-sheet paper drawers (Letter/Legal) <sup>3</sup>
<b>Paper Types</b>	Paper drawers: 16-28 lb. bond. Other types include: plain, pre-printed, recycled, pre-punched, letterhead, and color paper. Bypass tray: 16-28 lb. bond (plain paper), 15-16 lb. (thin paper), 28 lb. bond-110 lb. index (heavy paper), 20-24 lb. (Monarch/Com-10 envelope). Other types include label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color film and OHP Film.
<b>Duplexing</b>	Standard automatic duplex copying, scanning and printing
<b>CPU</b>	Power QUIPCIII-MPC8533E/800MHz
<b>Interface</b>	RJ-45 Ethernet (10Base-T/100Base-TX/1000Base-T), USB 2.0 (Host Port), USB 2.0 (Device Port)
<b>Memory</b>	Standard 512 MB (copier); 512 MB (printer/network scanning) memory
<b>Hard Disk Drive</b>	80 GB; 38 GB Main Folder/12 GB Custom/Quick Folder document filing system and electronic sorting
<b>Copy Resolution</b>	Scan: 600 dpi; Copy output: 600 dpi
<b>Exposure Control</b>	Auto Modes: Text, Text/Printed-Photo, Text/Photo, Printed-Photo, Photo, Map, Light Original Settings: Auto exposure control or 9 step manual exposure
<b>Halftone</b>	256 gradations/2 levels (monochrome)
<b>Copy Features</b>	Scan-Once-Print-Many, electronic sorting, offset stacking, <sup>4</sup> Auto Exposure Selection (AES), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), Auto Tray Switching (ATS), Auto Shut-Off (ASO), rotation copy, reverse copy, pamphlet copy, margin shift, edge erase, OHP insertion, job build, card shot, reverse image, black-white reversal, centering, proof copy, 2-in-1, 8 business cards layout, photo repeat, document filing, account management, job programs, date/character/page stamp
<b>Account Control</b>	Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp, Copy, Print, Scan, Fax and Document Management
<b>Output Tray Capacity</b>	Main output tray (top) 250 sheets (face down)
<b>Firmware Management</b>	Flash ROM with local (USB); network update capability and firmware update 1 to N with Printer Administration Utility (PAU)
<b>Configuration Method</b>	Web-based management system with user/administrator level login security, cloning (1 to N) with Printer Administration Utility (PAU) and Remote Front Panel access

<b>Service/Maintenance</b>	Printer Administration Utility (PAU) and Remote Front Panel access to service logs, click counts, diagnostic data, and service alerts.
<b>Power</b>	AC 100-127VAC, 60HZ, 12 AMPS
<b>Power</b>	Maximum: 1.44kW or less
<b>Consumption</b>	
<b>Weight</b>	Approx. 97 lbs. (base model) including supplies
<b>Dimensions</b>	22-3/64" x 19-13/32" x 28-7/64"

## Network Printing System (Standard)

<b>PDL</b>	PCL5e, PCL6, PostScript 3 compatible, XPS <sup>1</sup>
<b>Resolution</b>	1200 dpi, 600 dpi
<b>Print Speed</b>	40 ppm (Letter)
<b>Print Drivers</b>	CD-ROM: Windows 2000, Windows XP, Windows Server <sup>®</sup> 2003, Windows Vista <sup>®</sup> , Windows 7, Windows Server 2008, MAC OS <sup>®</sup> OS-X (including 10.4.11, 10.5-10.5.8, 10.6-10.6.2), all MAC PPD. Via Download: Windows Server 2008R2, MAC OS 9.0-9.2.2, OS-X 10.2.8, 10.3.9
<b>Print Features</b>	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/last page, transparency inserts, carbon copy print mode, fit-to-page, poster print, margin shift, mirror image, watermarks, overlay, confidential print, confidential batch print, print hold, bypass printing, job priority printing and direct printing. <sup>5</sup>
<b>Direct Printing</b>	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, Postscript and XPS <sup>1</sup> . Methods: FTP, Web Page, E-mail and USB Memory
<b>Resident Fonts</b>	80 outline Fonts
<b>Interface</b>	RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T
<b>Operating Systems</b>	Windows 2000, XP, Server 2003/2008, Vista, 7, MAC OS-9.0, MAC OS-X, Novell <sup>®</sup> Netware <sup>®</sup> 3x, 4x, 5x, Sun <sup>®</sup> OS 4.1x, Solaris <sup>®</sup> 2x, UNIX, Linux, Citrix <sup>®</sup> (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services
<b>Network Protocols</b>	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, 802.1x for Windows and UNIX. LPD and LPR for UNIX. IPX/SPX <sup>®</sup> for Novell environments. EtherTalk <sup>®</sup> and NetBEUI, AppleTalk for Macintosh <sup>®</sup> environments.
<b>Printing Protocols</b>	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Printer
<b>Network Security</b>	IP/Mac address filtering, protocol filtering, port management, user authentication and document administration.
<b>Security Standards</b>	IEEE 2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)

## Network Scanning System (Standard)

<b>Max Original Size</b>	Platen Glass: 8-1/2" x 11" RSPF: 8-1/2" x 19-5/8" (long-size mode)
<b>Optical Resolution</b>	600 dpi
<b>Output Modes</b>	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
<b>Scan Modes</b>	Color, monochrome, grayscale
<b>Image Formats</b>	Monochrome: TIFF, PDF, Encrypted PDF, XPS <sup>1</sup> Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS <sup>1</sup> Internet Fax: TIFF-FX, FIFF-F, TIFF-S <sup>1</sup>
<b>Image Compression</b>	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMF) Color/Grayscale: JPEG (High, middle, low) Internet Fax mode: MH/MMR (option)
<b>Scan Destinations</b>	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
<b>One-Touch Destinations</b>	Up to 999 (combined scan destinations)
<b>Group Destinations</b>	Up to 500
<b>Programs</b>	48 (combined)
<b>Max. Jobs in Memory</b>	Up to 94
<b>Network Protocols</b>	TCP/IP and SSL (Includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x
<b>Network Security Software</b>	E-mail server user authentication for LDAP and Active Directory Sharpdesk <sup>®</sup> desktop document management software (1 user license)

## B&W Super G3 Fax Kit (Option)

<b>Transmission Mode</b>	Super G3, G3
<b>Modem Speed</b>	33.6 KBPS <sup>3</sup>
<b>Compression Methods</b>	JBIG, MMR, MR, MH
<b>Scanning Method</b>	Sheet fed simplex or duplex or book
<b>Max Transmit Resolution</b>	400 dpi
<b>Transmit Speed</b>	Approx. 2 seconds with Super G3/JBIG <sup>4</sup>
<b>Auto Dialing</b>	Up to 999 (combined scan destinations)
<b>Group Dial/Destinations</b>	Up to 500
<b>Inbound Fax Routing</b>	Forwards received fax data to E-mail, FTP, Desktop, SMB
<b>Long Length Originals</b>	Up to 19-5/8" (for transmission)
<b>Programs</b>	48 (combined)
<b>Memory</b>	8 MB (exclusive)
<b>Halftone</b>	256 levels
<b>Fax Features</b>	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, timer transmission, anti-junk fax reception, automatically staple received faxes, secure fax release, out of paper memory reception, auto redial, duplex reception transaction reports, activity reports and PC Fax.

## Inner Finisher (Option)

<b>Type</b>	Built-in Finisher
<b>Output Capacity</b>	Up to 280 sheets (Letter/Legal), 20 envelopes
<b>Output Delivery</b>	Face down
<b>Stapling Media</b>	Plain/Thin/Heavy/Recycled/Letterhead/Pre-punched/Colored/Preprinted paper
<b>Stapling Positions</b>	Single corner position
<b>Power Source</b>	Supplied from the main unit
<b>Stapling</b>	30 sheets Letter/Legal
<b>Stapled Sets</b>	10 bundles or 300 sheets (letter/legal)
<b>Weight</b>	Approx. 19.8 lbs
<b>Dimensions (When tray is expanded)</b>	18-2/3" x 13-1/16" x 6-3/16" 20-1/2" x 13-1/16" x 6-3/16"

## Optional Equipment

<b>MX-FN12</b>	Inner Finisher
<b>MX-CSX1</b>	500 sheet Paper Feed Unit for Tray 2
<b>MX-CSX2</b>	500 sheet Paper Feed Unit for Trays 3 & 4
<b>MX-DS13</b>	Base Plate
<b>MX-DS14</b>	Stackable Cabinet
<b>MX-BTX1</b>	Business Card Feeder
<b>MX-PUX1</b>	XPS Expansion Kit (Requires MX-SHP1GBXPS)
<b>MX-SHP1GBXPS</b>	Expansion Memory 1 GB (Required for MX-PUX1)
<b>AR-PF1</b>	Bar Code Font Kit
<b>MX-FXX3</b>	Fax Expansion Kit
<b>MX-FWX1</b>	Internet Fax Expansion Kit
<b>DVENDFS</b>	Vendor Cable Kit
<b>DCL310S</b>	CAC External Option
<b>MX-FR26U</b>	Commercial Data Security Kit <sup>5</sup>
<b>MX-CFCRM1</b>	Card Reader Mounting Kit <sup>6</sup>
<b>MX-AMX1</b>	Application Integration Module
<b>MX-AMX2</b>	Application Communication Module
<b>MX-AMX3</b>	External Accounting Module

## Supplies

<b>MX-B42NT1</b>	Black Toner Cartridge
<b>MX-B42NV1</b>	Black Developer
<b>MX-C40NRB</b>	Black Drum Cartridge
<b>MX-B40HB</b>	Toner Collection Container
<b>MX-SCX1</b>	Staple Cartridge (3 cartridges per carton)

<sup>1</sup> Some features require optional equipment

<sup>2</sup> Paper capacity is based on letter size paper

<sup>3</sup> Actual transmission time will vary based on line conditions

<sup>4</sup> Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution

<sup>5</sup> Not available at time of launch

<sup>6</sup> Specifications may vary depending on product configuration, machine settings and operating and/or environmental conditions



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