POWERFUL PERFORMANCE ANYWHERE YOU NEED IT

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

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 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.**

- 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 up to 50 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.

Main Specifications

MX-B402	Includes multi-tasking controller, 80 GB HDD with document filing system, PCL® 5e/PCL 6/PostScript® 3 network printing, network scanning, 50-sheet RSPF, auto-duplex, 500-sheet paper drawers and 100-sheet bypass. Toner and developer are sold separately.
Type	Monochrome multi-function digital document system
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/HeatRoller fusing/Cold cathode white lamp
Originals	Sheets and bound documents
Max Original Size	8-1/2" x 14"
Copy Size	Min: 5-1/2" x 8-1/2", Max: 8-1/2" x 14"
Copy Speed	40 ppm (Letter)
Multiple Copy	Max: 999 copies
First Copy Time	Platen glass: 8.0 seconds or less[6] RSPF: 9.9 seconds or less[6]
Warm-Up Time	50 seconds or less
Magnification	50% to 200% in 1% increments (50 to 200% for RSPF)
Original Feed	50-sheet RSPF with original size detection
Scan Speed	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.
Original Sizes	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)
Paper Feed System	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)[2]
Paper Types	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.
Duplexing	Standard automatic duplex copying, scanning and printing
CPU	Power QUICCIII-MPC8533E/800MHz
Interface	RJ-45 Ethernet (10Base-T/100Base-TX/1000Base-T), USB 2.0 (Host Port), USB 2.0 (Device Port)
Memory	Standard 512 MB (copier); 512 MB (printer/network scanning) memory
Hard Disk Drive	80 GB; 38 GB Main Folder/12 GB Custom/Quick Folder document filing system and electronic sorting
Copy Resolution	Scan: 600 dpi; Copy output: 600 dpi
Exposure Control	Auto Modes: Text, Text/Printed-Photo, Text/Photo, Printed-Photo, Photo, Map, Light Original Settings: Auto exposure control or 9 step manual exposure
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once-Print-Many, electronic sorting, offset stacking,[1] 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
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp, Copy, Print, Scan, Fax and Document Management
Output Tray Capacity	Main output tray (top) 250 sheets (face down)
Firmware Management	Flash ROM with local (USB); network update capability and firmware update 1 to N with Printer Administration Utility (PAU)
Configuration Method	Web-based management system with user/administrator level login security, cloning (1 to N) with Printer Administration Utility (PAU) and Remote Front Panel access
Service/ Maintenance	Printer Administration Utility (PAU) and Remote Front Panel access to service logs, click counts, diagnostic data, and service alerts.
Power	AC 100-127VAC, 60HZ, 12 AMPS
Power Consumption	Maximum: 1.44kW or less
Weight	Approx. 97 lbs. (base model) including supplies
Dimensions	22-3/64" x 19-13/32" x 28-7/64"

Network Printing System (Standard)

PDL	PCL5e, PCL6, PostScript 3 compatible, XPS[1]
Resolution	1200 dpi, 600 dpi
Print Speed	40 ppm (Letter)
Print Drivers	CD-ROM: Windows 2000, Windows XP, Windows Server® 2003, Windows Vista®, Windows 7, Windows Server 2008, MAC OS® 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
Print Features	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.[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, PostScript and XPS[1]. Methods: FTP, Web Page, E-mail and USB Memory
Resident Fonts	80 outline Fonts
Interface	RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T
Operating Systems	Windows 2000, XP, Server 2003/2008, Vista, 7, MAC OS-9.0, MAC OS-X, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, UNIX, Linux, Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, 802.1x for Windows and UNIX. LPD and LPR for UNIX. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI, AppleTalk for Macintosh® environments.
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
Network Security	IP/Mac address filtering, protocol filtering, port management,user authentication and document administration.
Security Standards	IEEE 2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)

Network Scanning System (Standard)

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

B&W Super G3 Fax Kit (Option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression Methods	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max Transmit Resolution	400 dpi
Transmit Speed	Approx. 2 seconds with Super G3/JBIG[4]
Auto Dialing	Up to 999 (combined scan destinations)
Group Dial/ Destinations	Up to 500
Inbound Fax Routing	Forwards received fax data to E-mail, FTP, Desktop, SMB
Long Length Originals	Up to 19-5/8" (for transmission)
Programs	48 (combined)
Memory	8 MB (exclusive)
Halftone	256 levels
Fax Features	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)

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

Optional Equipment

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

Supplies

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

[1] Some features require optional equipment.
[2] Paper capacity is based on letter size paper.
[3] Actual transmission time will vary based on line conditions.
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.
[5] Not available at time of launch.
[6] Specifications may vary depending on product configuration, machine settings and operating and/or environmental conditions.

ImageSEND

OSA Sharp Open Systems Architecture

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