SHARP®

# POWERFUL PERFORMANCE ANYWHERE YOU NEED IT

2009 BERTL's BEST

*"Most Secure MFP Range"*
*6th Consecutive Year*
*Award 2009*

BLI BUYERS LAB 2009 PICK

*"Outstanding Network Device*
*Management Utility"*
*Award 2009*

**MX-B402**

# POWERFUL

## MX-B402

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 the 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's MX-B402 offers productivity in action to speed output and streamline document workflow for maximum results.

## ENGINEERED FOR PERFORMANCE

FLEXIBILITY

PRODUCTIVITY

INTEGRATION

USER-FRIENDLY

- 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.
- Advanced **web-based device management** offers administrator and user-level login control.
- 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.

# INNOVATION THAT BOOSTS PRODUCTIVITY

*High yield, long life toner cartridge (shown above) and a refillable developer system help reduce copy cost and increase environmental sustainability.*

*Qwerty Keyboard—On-screen, touch panel keyboard makes it easy to enter e-mail addresses and more.*

## Get on the fast track in today's competitive business environment with Sharp's powerful and dynamic MX-B402.

**Low Cost of Ownership and Enhanced Sustainability**
Designed to be both cost-effective and environmentally-supportive, the MX-B402 offers low power consumption and long-life parts. Key cost-saving features include a high-yield toner cartridge with twice the lifespan of its predecessor, as well as a refillable developer system that increases sustainability while lowering per copy cost–a winning combination.

**The Flexibility and Performance You Need**
With a large 7" (diagonally measured) **customizable high-resolution touch-screen color display** and a powerful 800 MHz **multi-tasking controller**, the MX-B402 high-speed workgroup document systems can help elevate your office productivity to the next level. The intuitive menu navigation system with razor-sharp graphics makes operating the MX-B402 simple and easy. With Sharp's true multi-tasking controller, complex print jobs can be processed quickly, even while documents are being scanned. But that's just the beginning–with a Standard 50-sheet reversing single pass document feeder with **full-color** scanning, automatic duplexing, electronic sorting and integrated offset stacking, you'll complete even large jobs in a snap.

**High Quality Output You Can Rely On**
The MX-B402 combine Sharp's second generation micro-fine toner technology with **1200 x 1200** dpi print resolution to produce documents with crisp, clear images and high quality detail.

**Reliability Your Business Can Depend On**
Sharp's MX-B402 delivers professional performance and optimal productivity to satisfy your daily production needs. Copy/print **speeds up to 40 ppm** help you meet project deadlines with time to spare. The flexible paper handling system accommodates special media and envelopes through its multi-purpose tray and can be expanded from a single drawer system to a four-drawer console configuration. With available on-line paper capacity of up to 2,100 sheets, the MX-B402 is ready when you are.

# ADVANCED WORKFLOW MANAGEMENT

*Job Status displays the status of all print, copy, scan and fax jobs waiting in queue. Instantly prioritize your job.*

*Enhance productivity with the Business Card Feeder.*

*Sharp's easy-to-use document filing system with Thumbnail Preview.*

*Sharp's Image Check feature allows users to preview stored documents at the device. Easily zoom, rotate and scroll.*

## User-friendly features help increase document workflow efficiency and optimize day-to-day operations.

**A True Multi-Tasking Document System**
The MX-B402 features a **high-performance, 800 MHz true multi-tasking, multi-function controller** that delivers copy, print, scan and fax jobs continuously for optimum efficiency.* Some controllers only perform one or two operations at a time. But the MX-B402 continually processes incoming copy, print, scan and fax jobs even while existing jobs are performed.

**Job Status** allows you to display the status of all of your current print, copy, scan and fax jobs waiting in queue. Instantly prioritize your job and help **increase workgroup efficiency.** *The result?* A workflow that virtually never slows down–even at crunch time.

**Direct USB Scanning and Printing Adds Convenience and Portability**
With **Direct USB Scanning and Printing**, the MX-B402 allows users to scan and print files in a variety of popular formats directly from USB memory devices such as a ThumbDrive™ or ClipDrive™. It provides a whole new level of convenience. It comes in handy for scanning documents directly to USB memory devices and is an easy way to print PDF documents.

**Further Enhance Productivity with the Business Card Feeder**
Help solve a real-world business problem. The optional **Business Card Feeder** can easily and automatically feed and scan business cards, and is capable of working with commercially available business card scanning software to help automate contact database entry. A **differentiator** in today's world of MFP offerings.

**Innovative Document Filing**
Sharp's easy-to-use **Document Filing System** provides up to 50 GB of hard drive space to store frequently used files such as forms, reports and other commonly used documents for printing and distribution. Plus, with private storage features and **PIN-code access**, you can store sensitive documents securely. And, with Sharp's **Quick File Folder**, you can temporarily store documents with fast, one-touch simplicity. An easy-to-use backup system helps ensure your files are safe.

To make managing all of your stored jobs simple, the MX-B402 color touch-screen display offers an intuitive **thumbnail view** to allow walk-up users to easily locate stored jobs even if they don't know the file name. For added convenience, an advanced **Image Check** feature allows selected files to be previewed on-screen—walk-up users can even zoom in, change print attributes or move a file to another folder. With storage capacity for up to 5,500 pages, your document workflow can improve significantly.

**Get Professional Results with Inner Finishing**
The **Optional Inner Finisher** can be added without taking up additional floor space. The space efficient finisher not only provides exceptional productivity but also automates time-consuming tasks such as stapling, sorting and offset stacking.

*MX-B402 with space-efficient optional Inner Finisher.*

**Some features may require optional equipment.*

# PRECISION ENGINEERED, INNOVATIVE FEATURES

*Sharp's intuitive print drivers make accessing all of the MX-B402 print features quick and easy.*

*With Sharp's advanced job handling features, users can easily retain print jobs on the MX-B402 hard drive for reprinting at a later date.**

## Robust, easy-to-use print drivers help maximize document workflow efficiency in any business environment.

**Exceptional Print Quality with Professional Output**

With the MX-B402, your business can produce razor-sharp B&W documents. Plus, with **1200 x 1200 dpi resolution**, even documents with fine detail will look great! Sharp's easy-to-use print drivers allow users to set up even complex jobs with just a few mouse clicks. Simple plug-and-play operation makes it easy to take advantage of advanced feature sets in a snap. Advanced functions like Two-Sided, Pamphlet Style and Carbon Copy Print allow you to quickly produce a variety of document types.

The **optional inner finisher** delivers convenient finishing features that include corner stapling for up to 30 sheets, sorting and offset stacking.* Now you can produce professional quality documents from your desktop that look so good, everyone will think you had them sent out to a printer.

**Advanced Job Retention Features Enhance Productivity***

Sharp's innovative printing system makes it easy for any business to store and archive print jobs. With the ability to retain jobs on the MX-B402 hard drive, documents can be stored and reprinted again and again by walk-up users or through the **embedded web page**. Print jobs can even be sent to the MX-B402 for archiving without printing them! Need to store sensitive documents? No problem! Users can assign a password right from the print driver or from the MX-B402 operation panel!

*MX-B402 with compact cabinet-top design—anywhere you want it.*

**Some features may require optional equipment.*

# VERSATILITY

## FLEXIBLE DOCUMENT DISTRIBUTION

*Intuitive desktop display features thumbnail viewing and file search allows searching by file name, keyword, or thumbnail.*

*The Sharpdesk Connector for Sharp OSA v 3.5 enabled MFPs enhances scan worklfow options.*

In today's fast-moving business environments, you need every advantage you can get–Sharp's Frontier Series gives you the edge.

**Integrated Network Scanning**
With Sharp's powerful **ImageSend** technology, you get one-touch distribution features that help centralize document workflow, reduce mail costs and save time. With up to **seven destinations**–E-mail, Desktop, FTP, Network Folders (SMB), USB, Fax and Internet Fax–getting your document where it needs to go is as easy as pushing a button. High-volume workgroups will appreciate the **Send to Group** mode that allows you to mix group broadcast to E-mail, Fax, and Internet Fax for increased efficiency.*

**Convenient E-mail Distribution**
With Lightweight Directory Access Protocol (LDAP), there's no need to manually enter a recipient's complete e-mail address. Simply enter the first few characters and the MX-B402 automatically searches and displays a list of matching names. **Unique File Naming** allows users to enter specific file names with custom subject fields, so it's easier than ever to recall files when you need them. And, with **Sharpdesk®** personal document management software, users can easily organize their scanned documents and integrate them into everyday workflow.*

**Sharpdesk Software for Total Document Management**
Powerful, flexible and intuitive, Sharpdesk personal document management software enables you to easily manage all of your scanned documents. Easy-to-use tools help you organize, edit, even combine scanned files, for maximum productivity. The innovative **Search and Index feature** provides sophisticated tools that enable you to retrieve archived documents with incredible simplicity.

**Integrated Super G3 Fax and Internet Fax**
Add powerful facsimile capability to your MX-B402 with the optional Super G3 fax module, which offers advanced features such as automatic stapled/copied receptions and Inbound Fax Routing to e-mail. Sharp's innovative **PC fax driver** enables users to send fax documents right from their desktop. For Internet Fax operation, add the optional B&W Internet Fax expansion kit.

SUPER G3

**Some features may require optional equipment.*

# GET MORE OUT OF NETWORK APPLICATIONS

***Sharp OSA® technology at a glance***

- *Automate tasks and save time with seamless integration between the MX-B402 and network applications*
- *Centralized applications minimize set-up and installation on multiple Sharp products*
- *Virtually eliminates repetitive tasks and streamlines workflow, increasing efficiency*
- *Maximize your return on investment with tighter integration among IT assets*
- *Industry standard programming leads to faster deployment of new solutions*

*"Best Device Management and Integration Technology for MFP Series" Award 2009*

## To help streamline document workflow and enhance productivity, the MX-B402 supports the Sharp OSA platform.

**Versatile Application Integration**

The MX-B402 high-speed monochrome document systems provides powerful functionality for your business so you can immediately leverage your previous investments in data management infrastructure.* While others are limited to a small circle of productivity, the innovative Sharp OSA development platform allows users to maximize the power of their back-end systems right from the control panel. It's really a new way of thinking with "power at the panel" for automation of tasks and a streamlined workflow.

**Save Time, Increase Efficiency**

You'll save time and increase the efficiency of everyday tasks with Sharp OSA technology because it can be virtually seamless to the user. Any MX-B402 series document system anywhere in the organization can display choices that were once only available on a desktop PC. With one-touch access to business applications via Sharp OSA integration, you can start and finish a document distribution task without worry.

**Complement Your Infrastructure**

The Sharp OSA development platform is the logical choice as a complement to your existing infrastructure. With the **standard application communication module and external accounting module**, the MX-B402 becomes the gateway to providing fast, flexible access to documents and applications... no matter where you are in the office. Optionally you can get the controlled access and tracking ability you require with tighter integration capabilities for network security and accounting applications. With such comprehensive control, you'll be able to manage your document workflow easily, efficiently, and more securely.

**Customized Technology**

Sharp OSA technology also provides customization. With the ability to personalize applications and processes specific to your business, Sharp OSA technology can help eliminate redundancy and streamline workflow, helping to save time and optimize productivity. And since Sharp OSA technology utilizes industry-standard network protocols such as SOAP, XML, and XHTML, third party software developers can deliver customized solutions to your business faster than ever.

**Some features may require optional equipment.*

*"Outstanding Network Device Management Utility" Award 2009*

# ADVANCED DEVICE MANAGEMENT

*Printer Administration Utility Suite.*

*Remote Device Management Suite.*

*Remote Front Panel.*

## Engineered with you in mind, the MX-B402 combines easy-to-use integrated software with robust capabilities.

**The Sharp Administration Utility Suite**

Sharp's Administration Utility Suite takes management of your MX-B402 to the next level. This easy-to-use software allows you to take control of the versatile system features and simplifies installation and management.

- With **Printer Status Monitor**, network users can view printer conditions, check paper levels, toner, and more—all through an easy-to-use interface.
- With Sharp's advanced **Printer Administration Utility**, administrators can easily manage the setup, configuration, device settings, cloning and more! New advanced features such as **Remote Front Panel** allow administrators and support personnel to view and control the LCD panel of the machine remotely from virtually any PC on the network!* Plus, with event-driven, real-time service alerts, administrators and supervisors can achieve higher productivity. Now, it is easier than ever to view click counts, history reports and more.
- Experience the convenience of an **Embedded Web Page** right from your desktop! This advanced web-based management tool allows users to create and manage their own network scanning destinations, profiles and web-links. Administrators can access device settings, account information and security settings.

**Take Charge of Usage and Costs**

With Sharp's **device management system**, administrators and supervisors can define user groups on the MX-B402 to manage and restrict features, such as copying, scanning or printing. Easily set up a custom user group to manage page counts (copy, print, scan or fax operations). The MX-B402 can store **profiles for up to 1,000 users**.

**24/7 Training with My Sharp**

Managing all of the advanced features of your Sharp product is simple and easy. Ask your Authorized Sharp Dealer about **My Sharp**. This dedicated customer training website is customized to your MX-B402 series document system and allows you to locate resources and find information specific to your configuration, truly helping you maximize your investment.

**Some features may require optional equipment.*

# HEIGHTENED SECURITY

*"Most Secure MFP Range" Award–6th Consecutive Year*

**PRIVACY**

**AUTHORIZATION**

**CONFIDENTIALITY**

**PROTECTION**

## Innovative document and device protection helps ensure confidentiality.

To help protect your data, the MX-B402 offers several layers of security, making Sharp the optimum choice to protect employee privacy and intellectual property. As the leader in office equipment security, Sharp makes it easy for virtually any business or government entity to safely deploy digital copying, printing, scanning and faxing.

**Authority Groups and Access Control**
Advanced account management enables administrators to set authority groups for access to features of the MX-B402. Administrators can control which department, for instance, has full access to copying, printing, scanning and/or fax. Walk up users enter a code, Local Name and Password, or LDAP User Authentication to access their features assigned to their group. Users can also login utilizing a human interface device (HID) such as a Smartcard or Common Access Card (CAC).*

**Data Erase and Encryption***
To help protect your data, the MX-B402 offers an optional data security kit that encrypts document data using **AES** (Advanced Encryption Standard) **256-bit encryption**. Additionally, the data security kit erases the temporary memory on the hard drive by overwriting the encrypted data up to seven times, offering an unprecedented level of assurance. Additionally, the data security kits for these models comply to the IEEE-2600-2008 security standard for MFP devices. This standard specifies security requirements and provides a new international reference to assess contemporary MFP security.

**Network Scanning Access**
To help protect your network from unauthorized e-mail communications, the MX-B402 supports **User Authentication**, requiring users to login before performing any network scanning operations.

**Control Device Access Over the Network**
To help restrict access to the device over the network, the MX-B402 offers IPsec, SMB and extended support for **SSL Encryption** (Secure Sockets Layer), **IP/MAC address filtering**, IEEE 802.1x authentication, HID Card Reader Authentication support, protocol enable/disable and port management for maximum security.

**Documents Remain Confidential**
To help protect your printed documents from unauthorized viewing, the MX-B402 offers encrypted PDF files for printing and scanning as well as **Confidential Printing** that requires users to enter a PIN code or use their Access Card in order to print a queued document. Additionally, **Secure Fax Release** ensures received fax documents are held in memory until an authorized user enters a PIN code. So compliance with healthcare regulations such as HIPAA is easier.

**Tracking and Auditing Information**
Legislation and industry policies require companies to be more aware of information flow from their offices. Sharp offers both built-in and additional hardware/software which allows users to control, access and track usage of each device on the network.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA), and the Gramm Leach Bliley Act (GLB). For additional information visit: *www.sharpusa.com/security.*

**Some features may require optional equipment.*

# ECOLOGICAL COMMITMENT

## Sharp's ongoing commitment and dedication to developing eco-friendly document systems set a high standard for the industry.

**Designed with a Strong Commitment to Protecting the Environment**
The MX-B402 utilizes Sharp's second generation micro-fine toner technology, which offers a lower consumption rate than conventional toners. This also results in less packaging material and longer replacement intervals. Additionally, all Sharp supplies are packaged using fully recyclable materials. Power consumption on the MX-B402 is among the lowest in the industry and supports two different energy saving modes to reduce or shut off power after a set interval. All Sharp document systems belong to the EnergyStar® program, and RoHS program.

**An Economical, Low Maintenance Document System That Makes Sense**
The MX-B402 is designed to accommodate both large and small office environments. With a compact wingless design, the footprint is approximately 21" x 17", so it can easily fit into most office environments. Our new long-life consumable parts and supplies minimize service intervals and down time, resulting in lower operating costs.

**Sharp's Environmental Leadership**
As a testament to our commitment to the environment, Sharp was a former recipient of the *Excellence in Partnership* **Green Contractor Award** and the **Evergreen Award** from the US Government's General Services Administration and the Coalition for Government Procurement.

The Green Contractor Award recognizes contractors that have made the best overall commitment to the environment by offering environmentally friendly products and services or adhering to environmentally sound manufacturing procedures. The Evergreen Award identifies environmentally-friendly businesses and their efforts in recycling and waste reduction practices. Please visit *www.sharpusa.com/environment* to learn more about our environmental leadership.

# MX-B402 SPECIFICATIONS

### 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/Heat Roller 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]<br>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.<br>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<br>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"<br>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]<br>Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS[1]<br>Internet Fax: TIFF-FX, FIFF-F, TIFF-S[1] |
| Image Compression | Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR)<br>Color/Grayscale: JPEG (High, middle, low)<br>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"<br>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

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