Precision engineered to help increase workflow efficiency and provide exceptional image quality, Sharp’s MX Monochrome Series workgroup document systems take you to the next level in MFP performance and productivity. A large, high resolution touch-screen color display with graphical menu navigation and a full-size retractable keyboard to simplify data entry are just two of the many advanced features offered by these models. The powerful true multi-tasking controller enables MX Monochrome Series users to save time and money while producing professional documents in-house—robust performance that is also economical. Sharp’s advanced device management makes it easy to control usage and costs. With the latest Sharp OSA® development platform, integration with network applications has never been easier. And, to safeguard the confidentiality of your intellectual property, Sharp’s industry-leading security suite is second to none.
Sharp’s MX Monochrome Series workgroup document systems offer advanced features to enhance productivity and improve workflow.

**ENGINEERED FOR PERFORMANCE**

- Large, **high resolution touch-screen** color display with graphical navigation (N models)
- Advanced second generation micro-fine toner technology offers crisp, **high quality images** page after page
- Standard 100-sheet duplex single pass document feeder with color **Scan²™** technology (N models)
- **1200 x 1200 dpi** printing provides clear, crisp images, even on jobs with fine detail (N models)
- Network interface supports **gigabit ethernet**
- Industry-leading **ImageSEND™** function scans documents to USB devices, network folders, e-mail and more (N models)
- Robust 38GB **document filing system** with **thumbnail view** and **image preview** features (N models)
- Standard **PCL®6/PCL5e printing system** with **direct print** function and available Postscript® 3™ and Windows® XPS options (N models)
- Sharp OSA development platform with standard application communication module (N models) enables businesses to streamline document workflow and **enhance productivity**
- **ImageSEND** function scans documents at up to **70 images per minute** in both black and color (N models)
- **Flexible paper handling** system feeds up to 110 lb index through the paper trays
- On-board paper storage capacity for **up to 5,600 sheets** with options
- **Super G3 fax** option with intelligent inbound routing
- Supports Sharp’s latest **award-winning** multi-level document and network **security suite**, which conforms to the new **IEEE-2600™ - 2008 security standard** for MFP devices
- Advanced **web-based device management** offers both administrator level and user level login control
- **Remote front panel feature** allows users and administrators to view and control machine operations from a PC workstation
- **Environmentally-friendly design** offers low power consumption, long-life parts and is supported by Sharp’s toner recycling program

*Some features may require optional equipment.*
INNOVATION THAT BOOSTS PRODUCTIVITY

Get on the fast track in today’s competitive business environment with Sharp’s powerful and dynamic MX Monochrome Series

Award-winning Retractable Keyboard Offers Added Convenience
For workgroups that perform a significant amount of data entry, the MX Monochrome Series document systems include a standard retractable keyboard (N models). Designed to simplify E-mail address and subject line entries, as well as repetitive scanning tasks and user authentication, the built-in keyboard offers users a familiar ergonomic interface.

The Flexibility and Performance You Need
With a large 8.5” (diagonally measured) high-resolution touch-screen color display (N models) and a powerful true multi-tasking controller, the MX-M503/M453/M363/M283 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 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 100-sheet dual-head scanning document feeder (N models), 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 Monochrome Series document systems combine Sharp’s second generation micro-fine toner technology with 1200 x 1200 dpi print resolution (N models) to produce documents with crisp, clear images and high quality detail.

Reliability Your Business Can Depend On
Sharp’s MX Monochrome workgroup document systems deliver professional performance and optimal productivity to satisfy your daily production needs. Copy/print speeds up to 50 ppm help you meet project deadlines with time to spare. The flexible paper handling system can feed up to 110 lb index stock through the paper trays. With available on-line paper capacity of up to 5,600 sheets, the MX Monochrome Series is ready when you are.
User-friendly features help increase document workflow efficiency and productivity to optimize day-to-day operations

**Speed up your Workflow with Sharp’s Innovative Color Scan² technology**

Sharp’s advanced 100-sheet document feeder with dual reading heads can scan 2-sided documents in a single pass, dramatically improving productivity and reliability (standard on N models). Now you can process even large-scale jobs with incredible efficiency.

**A True Multi-Tasking Document System**

The MX-M503/M453/M363/M283 feature a high-performance, true multi-tasking controller that delivers copy, fax and print jobs continuously for optimum efficiency.* Some controllers only perform one operation at a time. But the MX Monochrome Series continually processes incoming jobs even while existing jobs are output. The result? A workflow that virtually never slows down—even at crunch time.

**Direct USB Printing Adds Convenience and Portability**

With Direct USB printing, users can print files in a variety of popular formats directly from USB memory devices such as a ThumbDrive™ or ClipDrive™.* Need to print PDF brochures in a hurry for a big meeting? It’s easy with the MX Monochrome Series. Just plug in your portable USB memory device, select the file, and print.*

**Innovative Document Filing**

Sharp’s easy-to-use Document Filing System provides up to 38GB 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 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 filename (N models). 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 (N models). With storage capacity for up to 5,500 pages, your document workflow can improve significantly.

**Get Professional Results with Advanced Finishing**

The MX-M503/M453/M363/M283 offer a choice of three high-performance finishers that can give your documents a professional look and feel. Choose from a compact inner finisher, a floor-standing saddle-stitch finisher or a large capacity 4K stacking finisher. All three models offer three-position stapling and an available 3-hole punch.

*Some features may require optional equipment.
Stay out front with robust, easy-to-use print drivers to help maximize document workflow efficiency in any business environment.

Exceptional Print Quality with Professional Output
With the MX Monochrome Series, your business can produce razor-sharp B&W documents. Plus, with 1200 x 1200 dpi resolution, (N models) 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-n-play operation makes it easy to take advantage of advanced feature sets in a snap. Special functions like Tab Paper Print, Chapter Inserts and Carbon Copy Print allow you to quickly produce a variety of document types.

The optional Postscript driver delivers extensive finishing features that include three-position stapling for up to 50 sheets, saddle stitch finishing for up to 15 ledger size pages and three-hole punching.* 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 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 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 operation panel!

*Some features may require optional equipment.
FLEXIBLE DOCUMENT DISTRIBUTION

In today’s fast-moving business environments, you need every advantage you can get—Sharp’s new MX Monochrome document systems give you the edge

Integrated Network Scanning
With Sharp’s powerful ImageSend technology, you get one-touch distribution features that 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 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 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 monochrome Series 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.

*Some features may require optional equipment.
GET MORE OUT OF NETWORK APPLICATIONS

To help streamline document workflow and enhance productivity, the new MX Monochrome Series supports the Sharp OSA platform.

Versatile Application Integration
The MX-M503/M453/M363/M283 document systems provide 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, Sharp’s newest innovation, the Sharp OSA development platform, allows users to leverage 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-M503/M453/M363/M283 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 (N models), the new MX Monochrome Series 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.
Engineered with you in mind, the MX Monochrome Series combines easy-to-use integrated software with robust capabilities

The Sharp Administration Utility Suite
Sharp’s Administration Utility Suite takes management of your MX-M503/M453/M363/M283 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 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 service logs, 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, color control, 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 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-M503/M453/M363/M283 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-M503/M453/M363/M283 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.
Innovative document and device protection helps ensure confidentiality

To help protect your data, the MX Monochrome Series 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 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 Monochrome Series. 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 Monochrome Series offers an optional data security kit that encrypts document data using AES (Advanced Encryption Standard) 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 new IEEE-2600-2008 security standard for MFP devices. This new 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 Monochrome Series 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 Monochrome Series offers IPsec, SMB and extended support for SSL Encryption (Secure Sockets Layer), IP/MAC address filtering, IEEE 802.1x authentication, protocol enable/disable and port management for maximum security.

**Documents Remain Confidential**
To help protect your printed documents from unauthorized viewing, the MX Monochrome Series offers encrypted PDF files for printing and scanning as well as Confidential Printing that requires users to enter a PIN code 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.*
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 Monochrome Series document systems utilize 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 Monochrome Series 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 ENERGY STAR® program, and RoHS program.

**An Economical, Low Maintenance Document System That Makes Sense**

The MX Monochrome Series is designed to accommodate both large and small office environments. With a compact wingless design, the footprint of each base model is less than 25” x 27”. Our new long-life consumable parts and supplies minimize service intervals and down time, resulting in lower operating costs.

**Environmental Leadership**

As a testament to our commitment to the environment, Sharp is a three-time winner of the ENERGY STAR annual Excellence in Energy Proficiency Product Design. Sharp is also a four-time winner of the SmartWaysm Excellence Award, which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation. Sharp was also a previous recipient of the Excellence in Partnership Green Contractor Award and the Evergreen Award from the General Services Administration (GSA) and the Coalition for Government Procurement. These awards recognize environmentally responsible businesses and their efforts on recycling, waste reduction and affirmative procurement practices.

**Toner Recycling Program**

As part of our commitment to preserving the environment, Sharp offers customers a toner recycling program for all Sharp copiers and MFP products. Sharp encourages customers to recycle their used toner cartridges by providing a pre-paid shipping label for their return to our facility. Please visit www.sharpusa.com/recycle to learn more.
**Network Printing System (standard on all models)**

| Model | PDL | PS/PSe/PS compatible, Optional Postscript Level 3 \*
<table>
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<tbody>
<tr>
<td>PPF</td>
<td>1200 dpi x 1200 dpi (N models), 600 x 600 dpi (D models)</td>
<td></td>
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<tr>
<td>Print Speed</td>
<td>2550 pages per minute depending on model (5% to 55% IPM)</td>
<td></td>
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<tr>
<td>Print Drivers</td>
<td>Windows *4, *5, *6, Windows 8, *64, Windows Server 2003, *3, Windows Server 2008, Windows XP, Windows XP *64, Windows Server 2003, Windows XP, Windows XP *64, Windows Vista *, Windows Vista *, MAC OS X 10.2.2, OS X (including 10.9, 10.9.1, 10.9.5, 10.10.5.5), all MAC PPD, Unix/Linux</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different page cover page, transparent inserts, tab printing, carbon copy print mode, fit-to-page, page margin, margin shift, image mirror, watermarks, overlay, confidential print, confidential batch print, print host, proof printing, job printing, print job control, tandem printing and print direct mode.</td>
<td></td>
</tr>
<tr>
<td>Direct Printing</td>
<td>File types: TIFF, JPEG, PCL, PRT, PDF, Encrypted PDF, High Compression PDF, Postscript and XPS Methods: FTP, Web page, E-mail and USB memory</td>
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**Resident Fonts**

- 256 gradations/2 levels (monochrome)

**Scan Resolution**

- 600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi

**Output Modes**

- Color, monochrome, grayscale

**Max Original Size**

- Up to 31.5" (for transmission)

**Output Trays**

- Upper tray: 1,550 sheets (letter size, non-stapled)

**Output Capacity**

- 1,000 sheets (letter/statement size) or 500 sheets (legal, ledger size)

**Duplexing**

- Automatic 2-sided copying and printing

**Layout**

- 4K Stacking Finisher

**Account Control**

- Up to 1000 users

**Hole punching**

- Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed)

**Dimensions**

- Approx: 20.1" (w) x 25.6" (d) x 43.7" (h)

**Optional Equipment**

- MAK32, MAK32D, MAK50BD

**Supplies**

- MX-100T1, MX-200T1

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1 Some features may require optional equipment.
2 May vary depending on product configuration, machine settings and operating/ environmental conditions.
3 Actual transmission speed and time will vary based on line conditions.
4 Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.