SHARP

MX-M564N
MX-M464N

Digital Multifunctional System

Expandable Solution with Outstanding Eco Performance—
Your Ideal Partner in Growth

ENERGY STAR

ENERGY LABEL
機電工程署 EMSD

OSA
Sharp Open Systems Architecture

| Copy | Network Print | Network Colour Scan | Sharpdesk | Fax OPTION |

Catering to the Changing Needs of Growing Businesses

Any business in need of an energy-efficient partner that can keep pace with changing document demands should look no further than the configure-friendly MX-M564N/M464N.

Along with multifunction efficiency—including full-colour network scanning—this B/W A3 solution offers advanced environmental performance and easy expandability. Flexible system configurations allow the MX-M564N/M464N to accommodate nearly any type of business. There's a space-efficient inner finisher for workplaces with limited room, a 4,000-sheet finisher for offices handling high-volume jobs, and saddle stitch finishers for businesses requiring complex document finishing, like that needed for pamphlet making.

The MX-M564N/M464N also supports the Sharpdesk Mobile print/scan application for conducting business on the go and ensures the reliable safeguarding of business communications through built-in and add-on security functions.

Productive Performance

Already designed to maximize productivity, the MX-M564N/M464N becomes even more of a workhorse when the 3,500-sheet large capacity tray is added on, boosting total paper capacity to 5,600 sheets. A variety of finishing options, including a 4,000-sheet finisher and two types of saddle stitch finishers, makes for attractive and efficient document finishing. And a 100-sheet RSPF (reversing single pass feeder) ensures the fast and smooth handling of one- or two-sided originals.

Eco Friendliness

The MX-M564N/M464N gets its eco edge from advanced environmental technologies incorporated throughout the MFP—from its hardware and electrical system down to its software and supplies. Even its short warm-up time of 12 seconds produces substantial energy savings.

The new Mycrostoner-CAP is one of those eco-boosting supplies. The low melting point of this proprietary toner lets it get the job done with less energy than conventional toner requires.

And this dramatically reduced power consumption is what gives the MX-M564N/M464N one of the lowest TEC values*1 in the industry—significantly lower than even the maximum values allowable under ENERGY STAR®.

Lower TEC Value

Max. allowable TEC value*2

MX-M564N	54.8%	3.4 kWh*3	6.2 kWh
MX-M464N	59.5%	2.5 kWh*3	4.2 kWh

ENERGY STAR

Shorter Warm-Up Time*4

12 seconds
40.0 %
down

*1 Typical amount of energy consumed in a hypothetical week measured as stipulated under the ENERGY STAR® programme.
*2 Maximum TEC value allowable under the latest ENERGY STAR programme (version 2.0).
*3 Measured at 230V.
*4 Compared to MX-M502N/M452N (warm-up time 20 seconds).

Ease of Use

The MX-M564N/M464N is equipped with a 7.0-inch WVGA touchscreen colour LCD that provides easy navigation of MFP functions and settings. The LCD also shows thumbnail displays and data file previews, raising the bar on user friendliness. A retractable QWERTY keyboard option offers added convenience.

Thumbnails*

Preview*

* Copy previews are in B/W.

2

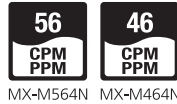# COPYING & NETWORK PRINTING

PRODUCTIVE

Super-Efficient Output

The MX-M564N/M464N delivers a fast output of **56***[1]**/46 cpm/ppm***[2]. And the first copy comes out in just **3.7/3.9 seconds** to save valuable time when performing multiple short-run jobs.

*[1]: 51 cpm/ppm for MX-M564N when equipped with MX-FN10.
*[2]: A4, long-edge feeding

56 CPM PPM	**46** CPM PPM
MX-M564N	MX-M464N

Built-In Duplex Module and RSPF

The MX-M564N/M464N can make **two-sided copies and printouts** using its built-in stackless duplex module, effectively reducing paper costs as well as saving filing space. Duplex copying is even more effective when the duplex module is used together with the standard-equipped **100-sheet RSPF** (reversing single pass feeder), which efficiently feeds in one- or two-sided originals and can also simultaneously scan paper of different sizes.

Job Build for Large-Volume Scanning

The MX-M564N/M464N easily handles large-volume copy jobs exceeding the RSPF's 100-sheet*[1] capacity. For example, a 270-sheet original can be scanned as batches of 100 + 100 + 70 sheets and automatically stored on the MX-M564N/M464N's hard disk*[2]. Users can then print the entire document in a single run.

*[1]: A4, 80 g/m^2
*[2]: The number of pages that can be stored for the Job Build function depends on the machine's HDD capacity and other conditions.

Extra Paper Capacity

For high-volume work, the MX-M564N/M464N can accommodate an optional **stand with 3 x 500-sheet paper drawer** for a total capacity of **5,600 sheets**. When a tray runs out of paper, the **Auto Tray Switching** function automatically switches to another paper tray filled with the same size paper, allowing you to do extra-large volume jobs without worry.

Long-Paper (Banner) Printing*

The optional **Long Paper Feeding Tray** accommodates extra-long paper up to **1,200 mm**—expanding the range of print products to include panoramic pictures, large display-window ads, banner signs, and more.

* Requires optional MX-LT10.

Professional-Looking Finishing

The MX-M564N/M464N offers plenty of finishing options to suit a variety of workplaces and applications. For basic sorting/stapling of documents of up to 50 sheets, two types of handy finishers are available: the **space-efficient Finisher** can be added on without taking up much room, while the **large-capacity Finisher** has output trays that can hold up to 4,000 sheets. **Saddle Stitch Finishers** also come in two types: one has an output tray capacity of up to 1,000 sheets, while the other boasts a capacity of up to 4,000 sheets. In addition to basic sorting/stapling, both types of Saddle Stitch Finishers can fold/staple documents of up to 15 sheets to make completed booklets. **Punch Modules**, which punch holes in documents for easy filing, are available for each finisher.
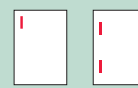
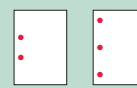Space-efficient Finisher   1,000-sheet Saddle Stitch Finisher   4,000-sheet Saddle Stitch Finisher
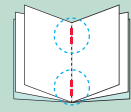
Job Finishing Samples

Stapling   Hole punching   Saddle stitching

Network Tandem Function

When two MX-M564N/M464Ns are connected to the same office network, you can use both simultaneously to double copying/printing output to up to **112/92 cpm/ppm**. Large-volume jobs can be completed with ease, enabling you to meet tight deadlines.

Supports Most Office Environments

• The MX-M564N/M464N works with the latest and most commonly used versions of Windows®, Windows Server®, and Mac operating systems and network protocols—including **IPv6**—even in mixed OS environments. You get fast, powerful network printing via the 1000Base-T **Gigabit Ethernet** standard.

• The MX-M564N/M464N supports the **PCL6** printer language. For compatibility with **PostScript® 3™**, the MX-PK11 PS3 Expansion Kit is available.

Ethernet
(10Base-T/100Base-TX/1000Base-T)

Windows®

Print

Macintosh

Windows Server®
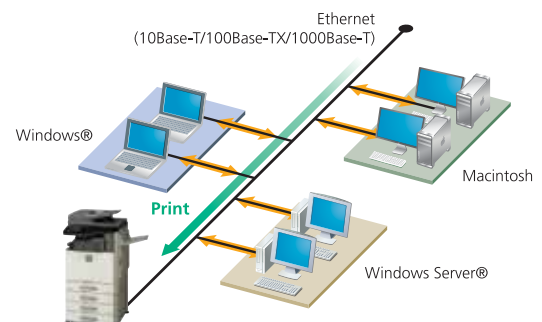
SUPERB IMAGE QUALITY

High-Resolution Output

The MX-M564N/M464N's digital smoothing technology enhances the 600-dpi print and copy resolution to the equivalent of **9,600 x 600 dpi** for incredibly smooth reproduction of fine lines. Fine-grained photographs, detailed illustrations and graphs, and small text come out crisp and clear.

Stable Halftones and Smooth Gradations

Halftone process control employs an image density sensor to enhance the stability and accuracy of halftones, thereby bringing consistently high image quality to copy/print jobs. Meanwhile, 4-bit depth, rated at 600 dpi resolution, generates fine dots and rich greyscales that provide smooth gradations.

Automatic Screen Frequency Selection

For enhanced image quality, the MX-M564N/M464N can automatically analyse the contents of each page and adjust the screen frequency (lines per inch) according to the most prominent element: text, photos, or graphics.

Enhanced Scan Performance

A function of Auto Colour Mode, the automatic suppression of unnecessary background colour is essential to achieving crisp, clear, natural-looking images. The MX-M564N/M464N provides enhanced background suppression without losing colour balance, resulting in scanned images that closely match the original.

Auto Colour Mode

Text comes out crisp and clear, and unnecessary background colour is automatically removed

Original

Auto recognition

Scanned image
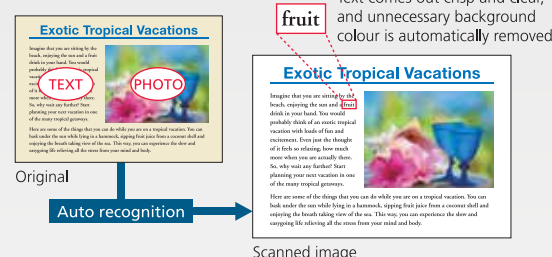
VERSATILE OPERATION

Direct Printing*

The MX-M564N/M464N can print PDF, TIFF, JPEG, XPS, and other files without using the printer driver. And there's a USB port beneath its control panel, which comes in handy when printing data directly from USB memory devices—an indispensable function for users who are in a hurry or who want quick machine access without a PC.

* Direct PDF printing requires optional MX-PK11, and direct XPS printing requires optional MX-PUX1 and 2GB of extra memory.

USB memory   Network folder   FTP server

Versatile Paper Handling

The MX-M564N/M464N accommodates a wide range of paper sizes, from **A5** to **A3 wide**. It can also handle heavy paper up to **300 g/m²** thick, further expanding the range of printing applications.

Image Editing Functions

The MX-M564N/M464N includes various editing functions made possible by digital technology.
- **Photo Repeat** places multiple copies of an image onto a single sheet.
- **Mirror Image** makes a reverse image of the original.
- **XY Zoom** adjusts the horizontal and vertical ratios independently.
- **B/W Reverse** reverses the black and white of an image.

Other Key Features

Copy & Print
- **Watermark** prints a user-selected watermark, such as "Urgent," on each page to indicate the status of the document.
- **Tab Copy / Tab Print** can copy or print directly onto tabs on document separators and insert them into assigned positions.
- **Multi-Shot** copying and **N-up** printing
- **Pamphlet Style** copying/printing
- **Multi-Page Enlargement** copying/printing
- **Cover/transparency** insertion

Print
- **Carbon Copy Print** mode automatically outputs multiple printouts of the same data on plain and/or coloured paper; convenient for invoices and purchase orders.
- **Form Overlay** can store office document formatting such as letterheads and overlay contents, eliminating the need for pre-printed paper. (PostScript driver only)

Copy
- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
- **Card Shot** enables one-touch copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.
- **Stamp** labels your copies with page numbers, the date, or text such as "Urgent."
- **Mixed Size Original Copy** mode automatically distinguishes documents of mixed sizes*² (such as A3/B4, B4/A4, etc.) fed through the RSPF and chooses the appropriate paper.
  *2: Some restrictions apply when combining paper sizes of different format series.

A3 Colour Network Scanning 🖳

The MX-M564N/M464N works as a **full-colour network scanner** and supports TIFF, PDF, PDF/A, encrypted PDF, JPEG, and XPS file formats. Converting any type of paper-based document, up to A3 in size, into an editable digital file is as easy as making a copy. Enhanced scan performance improves the legibility of extremely fine text and allows vivid colour reproduction in scanned documents. And **Auto Colour Selection** chooses the right mode for scanning originals containing both colour and B/W pages.

Quick Scanning 🖳 📠

For both colour*[1] and B/W documents, the MX-M564N/M464N carries out scanning at **56 opm***[2] (originals per minute) and can complete large scan jobs with ease and efficiency.

*1: Faxing is available in B/W only.   *2: Single-side scanning
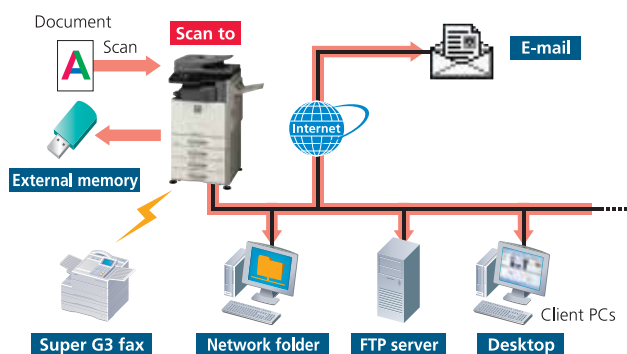
Skip Blank Page Function 🖨 🖳

When printing* or scanning a multi-page document, the MX-M564N/M464N recognises and skips any pages without content, reducing both data size and transmission time and helping to save paper.

* Not including direct printing.

Multiple Distribution of Scanned Files 🖳 📠

With the touch of a few on-screen buttons, you can choose different ways to distribute your scanned documents. **Scan to E-mail** sends documents as an e-mail attachment. **Scan to FTP Server** scans documents directly to an FTP server for storage. **Scan to Desktop** sends scanned documents directly to your PC desktop. **Scan to Network Folder (SMB)** sends files to a shared folder on a networked Windows PC. **Scan to USB Memory** scans documents directly to USB memory devices. And **Scan to Fax** enables conventional faxing.

Document
Scan
Scan to
External memory
Internet
E-mail
Client PCs
Super G3 fax   **Network folder**   **FTP server**   **Desktop**

LDAP Support 🖳 📠

Built-in LDAP (lightweight directory access protocol) support eliminates the need to enter or register full addresses. When you enter the first few letters of the recipient's name, the MFP displays a list of possible matches from your company's LDAP server. Selected addresses can be stored to the MFP's address book.

High-Speed Faxing 📠

The optional MX-FX11 Fax Expansion Kit turns the MX-M564N/M464N into a 33.6 Kbps **Super G3 fax** machine. Quick On-Line Transmission initiates dialling and transmitting as soon as a page is scanned into memory. JBIG compression technology lets the MX-M564N/M464N send an A4 size page in under three seconds*. And using the 100-sheet RSPF gives faxing efficiency a further boost. Incoming faxes are also handled with automated ease. The number of copies to be made can be specified on the LCD control panel's Fax Output setting, and optional finishing options can be installed for automatic stapling of those copies.

* Based on Sharp's standard chart with approximately 700 characters (A4 long-edge feeding) at standard resolution.

PC-Fax 📠

Directly send a document created on your PC to a recipient's fax machine via a phone line without printing to paper. Save time and paper costs while retaining original document quality.

Note: PC-Fax requires MX-FX11.

Paperless Faxing with Inbound Routing 📠

Paperless faxing with inbound routing lets you check incoming faxes via e-mail before printing. It can also forward incoming faxes to another fax/Internet fax machine, an FTP server, a network folder (SMB), or a PC desktop. Files can be saved in either PDF or TIFF (single/multi).

Other Key Features

Scan & Fax

- **One-touch auto dial keys** register up to **1,000** numbers for frequently used destinations
- **Broadcast transmission** to up to 500 destinations
- **Program keys** (up to 48 keys) are available to set up frequently used transmissions for instant recall
- **Easy text entry*** lets you enter addresses, file names, subject titles or messages from the LCD control panel
  * Only addresses can be entered for faxing.
- **Mixed size original scanning** automatically distinguishes documents of mixed sizes fed through the RSPF

Fax

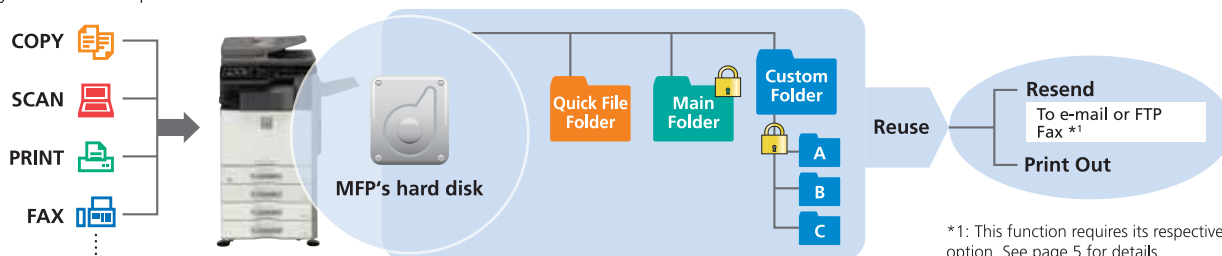- **Duplex transmission/reception** sends and prints out two-sided documents
- **SD memory card backup** ensures documents remain safely backed up in memory, even in the event of a power failure
- **Rotation transmission/reception** rotates incoming and outgoing faxes to match the direction of the printing paper
- **Fax destination confirmation** allows users to reconfirm fax numbers before sending to prevent transmission errors

DOCUMENT MANAGEMENT

Document Management on the Hard Disk

You can save processed job data in designated folders on the MX-M564N/M464N's built-in hard disk, making it easy to instantly recall saved documents or jobs for printing and sending at a later time. This contributes greatly to efficient sharing and distribution of information in your business operations.

COPY
SCAN
PRINT
FAX

MFP's hard disk

Quick File Folder
Main Folder
Custom Folder
A
B
C

Reuse

Resend
To e-mail or FTP
Fax *1

Print Out

*1: This function requires its respective option. See page 5 for details.

Quick Filing
Up to **10,000 pages** or 1,000 files*2 that have been copied, printed, scanned, or faxed*3 can be stored by job in a Quick File Folder. You can easily reuse saved data without having to reload or rescan the original.

Advanced Filing Function
Up to **20,000 pages** or 3,000 files*2 that have been copied, printed, scanned, or faxed*3 can be stored by job on the hard disk in up to 1,000 folders with customised names and locations. Enhanced security features require users to enter a 5- to 8-digit password to access secure folders, protecting your sensitive data. Storage options include Main Folder for workgroup sharing and Custom Folder for enhanced-security archiving.

*2: Storage capacity will vary depending on the type of document and the scan settings.
*3: For fax jobs, only transmitted data (not received faxes) can be saved in the Document Filing function.

Easy Access to Stored Files
Documents stored on the hard disk can be quickly and easily searched and accessed from the control panel's LCD via thumbnail displays and file previews or through a Web browser.

Search results
Web access screen

Easy Sharing of Application Files
To facilitate file sharing across the office network, the MFP provides 120GB of hard disk storage space for folders. Each folder can hold up to 500 files created with applications such as Word and Excel® and saved in their original format.
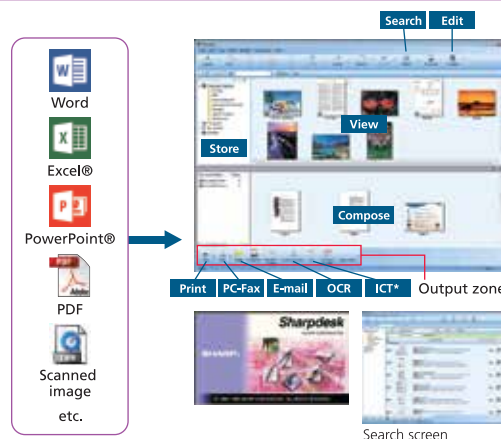Note: Sharp recommends backing up data saved to the MFP's hard disk.

File creator
Saved
Retrieve
Other users

Document is saved to MFP in original file format
Stored on MFP's hard disk
User retrieves file from MFP

Sharpdesk for Total Document Management

Sharpdesk is an original Sharp application that provides integrated desktop management of documents in over **200 file formats**, including scanned paper-based documents and those created with popular applications such as Word. It allows you to organise, edit, search, and distribute your documents, all with simple drag-and-drop operation.

• Intuitive desktop display features **thumbnail** viewing
• Sharpdesk Imaging provides **annotation** tools for paper-free proofreading
• Sharpdesk **Composer** combines different types of files into a single document
• **Optical character recognition** converts documents into editable text files
• **Output zone** distributes files to e-mail, printers, and other applications
• **File search** allows searching by file name, keyword, or thumbnail

Word
Excel®
PowerPoint®
PDF
Scanned image
etc.

Search Edit
View
Store
Compose
Print | PC-Fax | E-mail | OCR | ICT* | Output zone

Search screen

* Image Compression Tool for converting images into compact PDF files

Sharp OSA Network Scanner Tool

This client-based scan-to-desktop option is the ideal document management system for small workgroups or offices that don't have servers. Sharp OSA Network Scanner Tool provides centralised scan/print user profiles to give everyone in the office easy one-touch scanning to their PC from any networked MFP—without complicated settings. Scanned documents can be quickly and easily printed, filed, previewed, shared, and stored to save time and improve document workflow. And Sharp OSA Network Scanner Tool automatically names PDF files based on scanned-document titles and can convert scanned documents into text with the OCR engine to create searchable PDF files.

Note: Requires optional MX-AMX2.

SECURITY

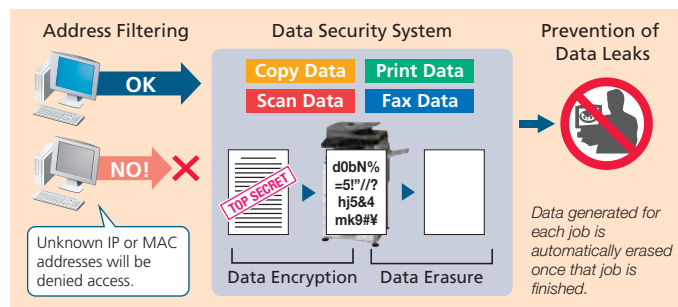## Industry-Leading Multi-Layered Security

Designed to protect your business assets and bring you peace of mind, Sharp's industry-leading security solutions employ multiple levels of security functions—both standard equipped and optional—covering a broad range of network and data security needs. The MX-M564N/M464N safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

STANDARD

Secure Network Access

The **IP/MAC address filtering** function provides highly secure operation by restricting access to the MFPs on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MFPs.

Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use. The MX-M564N/M464N also supports the **IEEE 802.1X** standard for port-based network access control, which blocks all access from unauthorised devices.

Address Filtering | Data Security System | Prevention of Data Leaks

OK

NO!

Unknown IP or MAC addresses will be denied access.

Copy Data | Print Data
Scan Data | Fax Data

TOP SECRET

d0bN%
=5!"//?
hj5&4
mk9#¥

Data Encryption | Data Erasure

Data generated for each job is automatically erased once that job is finished.

Data Encryption and Overwriting

Digital copier/printers and MFPs retain large amounts of data generated from copy/print/scan/fax jobs in internal storage. To safeguard confidential data from unauthorised access, standard-equipped security features on the MX-M564N/M464N automatically **encrypt** job data prior to saving it to internal storage. Once a job is finished, that encrypted data is **erased** via up to seven automatic overwrites. **Protection** of administrator/file/folder passwords brings further peace of mind.

User Authentication

The MX-M564N/M464N prevents unauthorised use by requiring **passwords** for machine access. This safeguarded solution can register up to 1,000 users in **three access levels** as Administrator, User, or Guest and can designate to which function user authentication applies. And the MX-M564N/M464N works with an **external Active Directory server** to extend user authentication to multiple MFPs and a greater number of users.
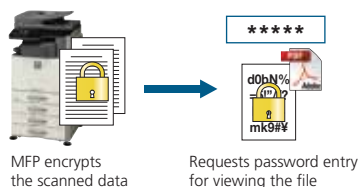

User authentication

IPv6 and IPsec Support

The MX-M564N/M464N supports the **IPv6** Internet protocol. An obligatory part of IPv6 is **IPsec** (IP Security), a set of protocols for securing Internet protocol (IP) communications. IPsec encrypts and authenticates traffic between specified parties, giving IPsec-compatible products an extremely high level of network security.

Data Initialisation

The MX-M564N/M464N's initialisation function allows confidential information to be erased at the administrator's discretion via the MFP's system setting. Initialising an MFP when it's time to replace it prevents important resources, such as customer information and intellectual property, from leaking out and provides considerable peace of mind.

OPTION

Document Control Function

Document Control prevents unauthorised copying, scanning, faxing, and filing of confidential documents by embedding copy prevention data onto a document. When that data is detected, any unauthorised attempts to copy will be cancelled or will result in only blank-page output.

Note: Requires optional Data Security Kit. May not work for certain types of documents or paper.

Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential data, the MX-M564N/M464N enables scanned PDF data to be password protected and encrypted for transmission over the network. After transmission, viewers can gain access to the encrypted PDF only after re-entering the password.

*****

d0bN%
mk9#¥

MFP encrypts the scanned data | Requests password entry for viewing the file
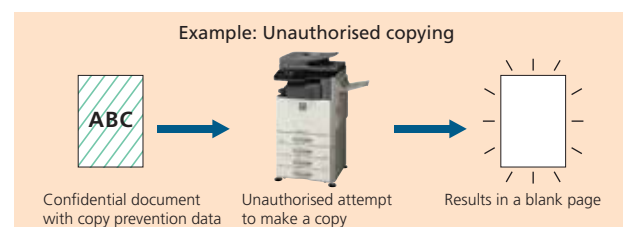
Secure Sockets Layer

SSL (secure sockets layer) enables the encryption of data communications to prevent data leakage through the network when printing via IPP, browsing secure Web pages (HTTPS), or communicating via e-mail (SMTP and POP3) or FTP (FTPS).

Example: Unauthorised copying

ABC

Confidential document with copy prevention data | Unauthorised attempt to make a copy | Results in a blank page

Web-Based System Settings

Administrators can manage every important setting—including user access and security as well as other controls and configurations—through a standard Web browser right from their desktops.

Remote Diagnosis

The MX-M564N/M464N can be monitored remotely through a Web browser, letting administrators handle tasks before they become problems. And when action or maintenance is required, the **E-Mail Status and Alert** function notifies administrators via timely e-mail alerts.

Network Utility Software

Sharp Remote Device Manager (SRDM) gives administrators centralised control of their networked MFPs through a standard Web browser, making device cloning and other operations easier and more accessible.

Remote Operation

The Remote Operation function lets you display the MFP's main control panel on your PC screen, allowing you to operate every major function directly from your desktop.* This function also enables the administrator to guide an MFP user through necessary procedures and allows remote MFP operation from a wheelchair.
* Requires VNC application.

EASE OF USE

7.0-Inch Touchscreen LCD

The MX-M564N/M464N's control panel features a wide, clear, WVGA-resolution touchscreen LCD. Easy-to-follow guidance puts step-by-step instructions on the LCD to guide you through all the necessary procedures for staple/sort finishing, pamphlet making, and other functions.

Retractable Keyboard (option)

A **full-size retractable QWERTY keyboard** slides out from beneath the control panel to make text input fast and easy: convenient for typing things like e-mail addresses and messages, as well as passwords for user authentication.

Easy-Grip Handles

Easy-grip handles on the MX-M564N/M464N reflect a universal design that allows the paper drawers to be grasped from the top as well as the bottom for easy opening and closing.

Thumbnail Display and Previews

Displaying thumbnails and up-close previews of Document Filing data files along with file names on the MX-M564N/M464N's LCD makes searching for files easy and convenient. It can also prevent errors by allowing users to confirm finishing options, scan settings, and other such items before copying, scanning, or saving documents to the MFP's hard disk. Thumbnails and previews of incoming faxes can also be displayed on the LCD to help users decide which documents to print out or forward to others.

Saddle stitching (preview)   2-in-1 copying (preview)

Job Status Screen

Whether printing or copying, the control panel displays a list of all jobs, showing you at a glance the jobs in progress and the position of your job in the queue. And, with a few quick touches of the LCD screen, the **Priority Printing** function lets you easily **change the job queue order** or delete jobs that are no longer needed.

Job status

ENVIRONMENT-FRIENDLY

Outstanding Energy Efficiency

- Sharp's belt fusing system reduces energy consumption and as a result, shortens the MX-M564N/M464N's warm-up time to 12 seconds.

- Based on prior usage patterns, the MX-M564N/M464N automatically determines the optimal length of time to let elapse before going into **auto power shut-off mode**, helping reduce overall power consumption. And pressing the **power save key** after a job is finished immediately puts the MFP into auto power shut-off mode for further cutbacks on running costs.

Power save key

- **Power ON/OFF Schedule** function automatically turns the MX-M564N/M464N on or off according to time schedules set by the administrator.

| Power off	Power on	Off	On	Off
9:00 Start of day		12:00 13:00 Lunch break		17:00 End of day
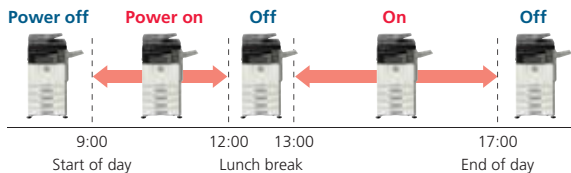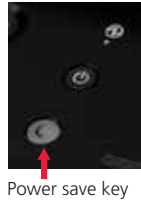
- Energy-efficient **LED lamps** employed in the scan unit (instead of conventional xenon lamps) provide further energy savings.

- **Eco Scan** function saves energy by keeping the fusing system shut down during jobs that don't require its use, such as Image Sending and Document Filing.

Eco-Friendly Supplies

- **Mycrostoner-CAP** toner particles are in capsule form, and each capsule is filled with low-melting-point material. That gives Mycrostoner-CAP a lower melting point than conventional toner and allows it to fuse at lower temperatures, resulting in reduced energy consumption and lower TEC values for the MFP.

Shell (resin)
Core (low-melting-point material)
Pigments and waxes

Mycrostoner-CAP

- Longer-life supplies (drum unit, developer, service parts) contribute to resource savings.
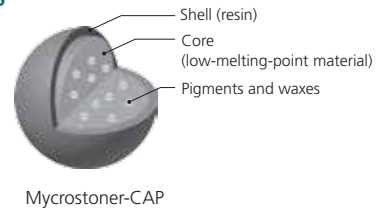
EXPANDABILITY

Sharp OSA* (Open Systems Architecture)

Innovative Sharp OSA technology allows you to interact with critical business and network applications right from the LCD control panel, offering a new realm of control and convenience. And since Sharp OSA utilises industry-standard network protocols, the MX-M564N/M464N can easily integrate with document management systems, enterprise resource planning software, workflow applications, and more. The latest version of Sharp OSA can **reach beyond the firewall**, enabling extensive system construction and services over the Internet. Sharp OSA brings benefits such as reducing the costs associated with system implementation and management, as well as enabling data sharing across company branch offices or subsidiaries—effectively enhancing total business efficiency.

* Requires optional MX-AMX2 and/or MX-AMX3.

Communication beyond the firewall

Internet
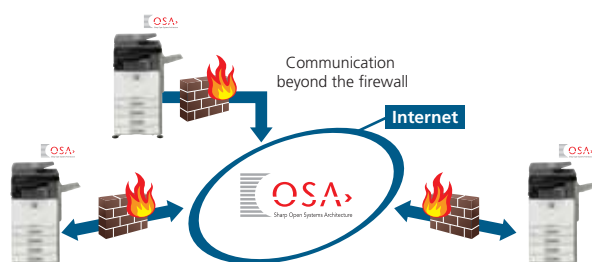
Sharpdesk Mobile*

Sharpdesk Mobile is a mobile print/scan application that combines the convenience of mobile devices and the efficiency of Sharp MFPs to make conducting business on the go easier than ever. Documents scanned on a Sharp MFP can be sent to a mobile device to preview and save. Documents saved on a mobile device can be printed out on the MFP, sent as e-mail attachments, or used in other applications.

* For details, see the Sharpdesk Mobile support Web site: http://sharp-world.com/products/copier/docu_solutions/mobile/sharpdesk_mobile/

Collaborate with other applications

Network

Receive scanned data

Mobile device

Scan

Other apps

Attach to e-mail

Wireless LAN

Attach data to e-mail

Print

Direct print from MFP

Sharp MFP

Sharpdesk Mobile
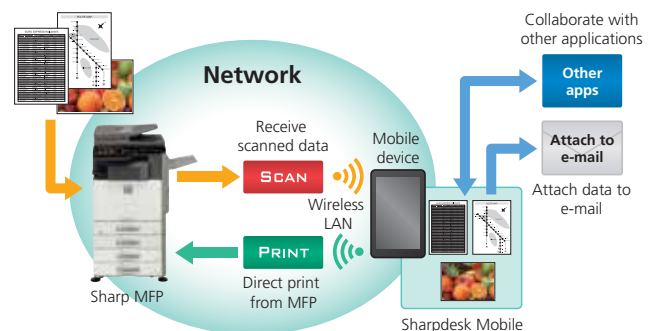
OPTIONS

System Configuration

MX-FN10
Saddle Stitch Finisher

MX-FN11
Finisher

MX-FN18
Saddle Stitch Finisher

MX-FN17
Finisher

MX-RB22
Paper Pass Unit

MX-PNX6A/B/C/D
Punch Module

BASE UNIT

MX-DE12
Stand with 500-Sheet Paper Drawer

MX-DE14
Stand with 3 x 500-Sheet Paper Drawer

MX-KB14 N
Keyboard

MX-TR13 N
Exit Tray Unit

MX-LT10
Long Paper Feeding Tray

MX-FX11
Fax Expansion Kit

MX-LC11
Large Capacity Tray (A4)

MX-PN11A/B/C/D
Punch Module for MX-FN17

MX-PNX5A/B/C/D
Punch Module for MX-FN10

MX-PK11
PS3 Expansion Kit

MX-PUX1
XPS Expansion Kit

MX-UN10A
Sharp OSA Network Scanner Tool 10-License Kit

MX-NSX1
Sharpdesk 10-License Kit

MX-AMX2
Application Communication Module

MX-AMX3
External Account Module

MX-EB13
USB Wireless LAN Adapter

MX-FR45U
Data Security Kit

Specifications for Options

MX-FN17 Finisher

Paper size	Non offset	A3W to A5*1
	Offset/staple	A3 to B5*2
Max. paper capacity		500 sheets (A4 or smaller),
		250 sheets (B4 or larger)
Max. stapling capacity		50 sheets (A4 or smaller), 30 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN10 Saddle Stitch Finisher

Paper size	Non offset	A3W to A5*1
	Offset/staple	A3 to B5
	Saddle stitch	A3, B4, A4*3
Max. paper capacity	Offset tray	1,000 sheets (A4 or smaller),
		500 sheets (B4 or larger)
	Saddle stitch tray	10 sets of 11–15 sheets, 15 sets of 6–10 sheets,
		20 sets of 1–5 sheets
Max. stapling capacity		50 sheets (A4 or smaller), 25 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN11 Finisher

Paper size	Non offset	A3W to A5*1
	Offset/staple	A3 to B5*2
Max. paper capacity	Upper tray	1,550 sheets
	Lower tray	2,450 sheets
Max. stapling capacity		50 sheets (A4 or smaller),
		30 sheets (A4*4, B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FN18 Saddle Stitch Finisher

Paper size	Non offset	A3W to A5*1
	Offset/staple	A3 to B5*2
	Saddle stitch	A3, B4, A4*3
Max. paper capacity	Upper tray	1,550 sheets
	Lower tray	2,450 sheets
	Saddle stitch tray	10 sets of 11–15 sheets, 15 sets of 6–10 sheets,
		25 sets of 1–5 sheets
Max. stapling capacity		50 sheets (A4 or smaller),
		30 sheets (A4*4, B4 or larger)
Staple position		3 locations (front, rear or both)

Punch Modules

Model name		MX-PN11A	MX-PN11B	MX-PN11C	MX-PN11D
	For the MX-FN17	MX-PN11A	MX-PN11B	MX-PN11C	MX-PN11D
	For the MX-FN10	MX-PNX5A	MX-PNX5B	MX-PNX5C	MX-PNX5D
	For the MX-FN11/FN18	MX-PNX6A	MX-PNX6B	MX-PNX6C	MX-PNX6D
Number of holes		2	3	4	4 (wide)
Paper weight		55 to 256 g/m^2 *			

* Guaranteed punchable weight is 55 to 128 g/m^2.

MX-DE12 Stand with 500-Sheet Paper Drawer

Paper size	A3 to A5*1
Paper capacity	500 sheets

MX-DE14 Stand with 3 x 500-Sheet Paper Drawer

Paper size (upper/middle/lower tray)	A3 to A5*1
Paper capacity (upper/middle/lower tray)	500 sheets each

MX-LT10 Long Paper Feeding Tray

Paper size	Max. 1,200 mm long
Paper capacity	1 sheet

MX-LC11 Large Capacity Tray

Paper size	A4
Paper capacity	3,500 sheets

*1: Only short-edge feeding can be used with A5 paper.
*2: Only long-edge feeding can be used with B5 paper.
*3: Only short-edge feeding can be used with A4 paper.
*4: Short-edge feeding.
Note: All specifications relating to paper capacity refer to 80 g/m^2 paper.

Note: When using Sharpdesk, Sharp OSA Network Scanner Tool, and Sharp OSA, please ask your Sharp representative about PC system requirements.

SPECIFICATIONS

General

Type	Desktop
Engine speed	Max. 56*[1]/46 cpm/ppm (A4, long-edge feeding)
Paper size	Max. A3 wide*[2], min. A5*[3]
Paper capacity	Standard: 600 sheets
(80 g/m^2)	(500-sheet tray and 100-sheet multi-bypass tray)
	Maximum: 5,600 sheets
Paper weight*[4]	Tray: 60 g/m^2 to 220 g/m^2
	Multi-bypass tray: 55 g/m^2 to 300 g/m^2
Warm-up time*[5]	12 sec.
Memory	Standard: 3GB (copy/print shared) 320GB HDD*[6]
	Option: 2GB
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption	1.84 kW (220 to 240V), 1.44 kW (100 to 127V)
(max.)	
Dimensions (W x D x H)	608 x 690 x 1,213 mm
Weight (approx.)	MX-M564N/M464N: 66 kg

Copier

Original paper size	Max. A3
First copy time*[7]	3.7/3.9/4.5 sec.
Continuous copy	Max. 999 copies
Resolution	Scan: 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi*[8]
	Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Gradation	Scan: 256 levels Print: 2 levels
Zoom range	25% to 400% (25% to 200% using RSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)

Network Colour Scanner

Scan method	Push scan (via control panel),
	pull scan (TWAIN-compliant application)
Resolution	Push scan: 100, 200, 300, 400, 600 dpi
	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi
	50 to 9,600 dpi via user setting
File formats	TIFF, PDF, PDF/A, encrypted PDF, JPEG*[9], XPS
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail/desktop/FTP server/network folder (SMB)/
	USB memory

Document Filing

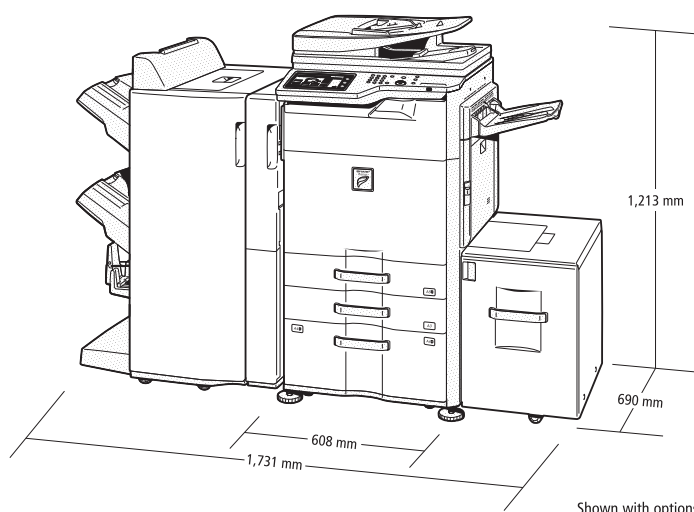|	
Document filing capacity*[10]	Main and custom folders: 20,000 pages or 3,000 files
	Quick file folder: 10,000 pages or 1,000 files
Stored jobs*[11]	Copy, print, scan, fax transmission
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection

Network Printer

Resolution	600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS*[12]	Windows Server® 2003, Windows Server® 2008, Windows Server®
	2012, Windows® XP, Windows Vista®, Windows® 7, Windows® 8,
	Mac OS X 10.4, 10.5, 10.6, 10.7, 10.8, 10.9
Network protocols*[12]	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), EtherTalk (AppleTalk)
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP,
	Novell Printserver application with NDS and Bindery,
	FTP for downloading print files, EtherTalk printing, IPP
PDL (emulation)	Standard: PCL 6 emulation
	Option*[13]: PostScript® 3™ emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PostScript 3 emulation

Facsimile (optional MX-FX11 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*[14]
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording width	A3 to A5
Memory	1GB
Greyscale levels	Equivalent to 256 levels

- Design and specifications are subject to change without prior notice.
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*1:   51 cpm/ppm for MX-M564N when equipped with MX-FN10.
*2:   A3 wide paper must be fed through multi-bypass tray.
*3:   Only short-edge feeding can be used with A5 paper.
*4:   Depending on usage conditions and type of paper, printing may not be executed correctly.
*5:   At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment.
*6:   HDD capacity depends on procurement and sourcing status.
*7:   Long-edge feeding of A4 sheets from paper tray, using document glass, MFP in fully ready condition. May vary depending on operating conditions and environment.
*8:   Not available when using RSPF.
*9:   Colour only.
*10: Storage capacity will vary depending on the type of document and the scan settings.
*11: Some features require option(s).
*12: Optional MX-PK11 required for Mac OS and EtherTalk.
*13: PostScript requires optional MX-PK11. XPS requires optional MX-PUX1 and 2GB memory.
*14: Based on Sharp's standard chart with approx. 700 characters (A4 long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

1,213 mm

608 mm

1,731 mm

690 mm

Shown with options.

MX-M564N/M464N CAT