SHARP

MX-3640N
MX-3140N
MX-2640N

Digital Full Colour Multifunctional System

The Intuitively Easy Way to Put Advanced MFP Functions at Your Fingertips

ENERGY STAR

oSA> Sharp Open Systems Architecture

PANTONE Digital Color
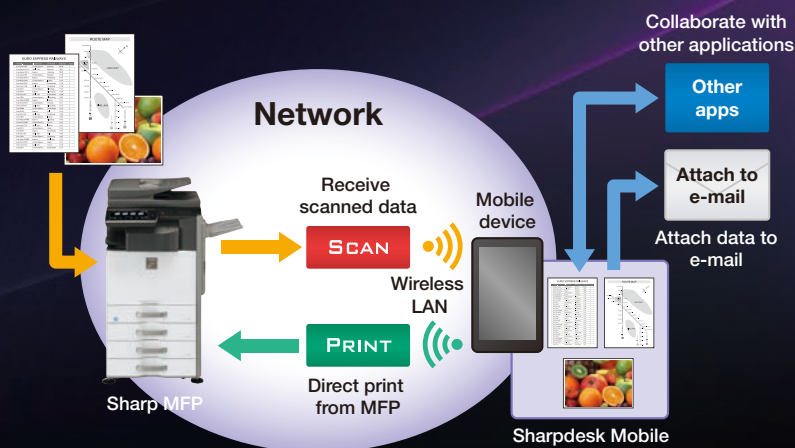
Copy | Network Print | Network Scan | Fax OPTION

Add a Touch More Efficiency

For effortless touch control and easy efficiency, the MX-3640N/3140N/2640N puts advanced MFP functions at your fingertips via a 10.1-inch colour LCD touchscreen. Fast, top-quality colour copying, convenient network scanning, a handy Advanced Preview function, and more are only a few simple finger gestures away. As a next-generation workhorse, the MX-3640N/3140N/2640N supports productivity-boosting options for document management and finishing, Internet browsing, and Sharp OSA (Open Systems Architecture) while also delivering outstanding energy efficiency and reliable data protection.

Sharpdesk Mobile—Keeping Pace with the Way You Work

As document demands increasingly move from out behind the desk to wherever business takes you, Sharpdesk Mobile*—an easy-access mobile print/scan application that connects Sharp MFPs to popular mobile devices via a wireless LAN connection—can help you keep pace. Documents scanned on a Sharp MFP can be sent to a mobile device to preview and save. And documents saved on a mobile device can be printed out on the MFP, sent as e-mail attachments, or used in other applications. By combining the efficiency of Sharp MFPs and the convenience of mobile devices, Sharpdesk Mobile is adapting document usage to today's changing work styles.

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

Collaborate with other applications

Other apps

Attach to e-mail

Attach data to e-mail

Network

Receive scanned data

Mobile device

SCAN

Wireless LAN

PRINT

Direct print from MFP

Sharp MFP

Sharpdesk Mobile

Web Brow

A Web browsing option adds full In
viewing and printing out Web page
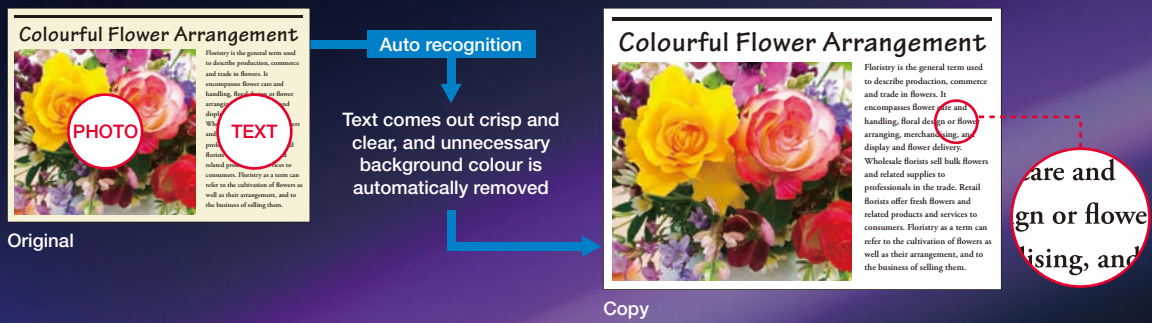the MX-3640N/3140N/2640N' s LC

Choice of Screen Style

The MX-3640N/3140N/2640N offers a choice of six LCD screen colours (black, blue, warm grey, green, orange, and pink) and a universal-design screen. While the default colour is black, users can easily select their preferred background style.

1

Breathtaking Image Quality

Sharp's second-generation Mycrostoner-HG (High Grade) and an improved imaging system combine to allow the full spectrum of colour reproduction in crisp, sharp detail. The MX-3640N/3140N/2640N delivers fast, high-resolution copying and printing to render text documents, photographs, illustrations, maps, and graphs—including fine lines and small print—with breathtaking precision and clarity. And because the MX-3640N/3140N/2640N is so easy to operate, superb-quality images are always just a touch away.

Auto Colour Mode

Colourful Flower Arrangement

PHOTO   TEXT

Original

Auto recognition

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

Colourful Flower Arrangement

Copy

Enhanced Intuitive Operation

Simple hand gestures and a 10.1-inch colour LCD touchscreen let even first-time users navigate the MX-3640N/3140N/2640N with ease. Thanks to newly added multi-touch operation, two-finger pinch and spread gestures facilitate Web browsing and make it easy to shrink and enlarge images in Advanced Preview. Equally easy one-touch commands, such as flick, drag, and tap, provide quick onscreen access to MFP functions and ultra-smooth intuitive operation.

One-page preview

Thumbnail preview

Basic screen

3D preview

Edit mode

sing

ternet access for
s and PDF files via
D—without using a PC.

PRODUCTIVE

Super-Efficient Colour and B/W Output

The MX-3640N/3140N/2640N delivers a fast output of **36/31/26 cpm/ppm*** in B/W and in full colour. And the first copy comes out in just **5.2/5.8/5.9 seconds** in B/W and **6.8/7.9/8.1 seconds** in full colour to save valuable time when performing multiple short-run jobs.

* A4 (8 ¹/₂" x 11"), long-edge feeding

36 CPM PPM	31 CPM PPM	26 CPM PPM
MX-3640N	MX-3140N	MX-2640N

Built-In Duplex Module and RSPF

The MX-3640N/3140N/2640N's built-in stackless duplex module can make **two-sided copies and printouts**, 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. With a scanning speed of up to **50 opm*** (one-sided), the MX-3640N/3140N/2640N can complete large jobs with ease and efficiency.

* Originals per minute; when feeding A4 (8 ¹/₂" x 11") sheets.

Automated Finishing

The MX-3640N/3140N/2640N automates time-consuming finishing tasks and makes it easy to create professional-looking booklets. The **Saddle Stitch Finisher** option staples documents up to 50 sheets and can fold and staple sets of documents up to 15 sheets to make completed booklets. A space-efficient **Finisher** option is available for jobs that require sorting and stapling. And an optional **Punch Module** allows you to punch holes in documents for easy filing.

Extra Paper Capacity

For high-volume work, the MX-3640N/3140N/2640N can accommodate an optional **stand with 500 + 2,000-sheet paper drawer** for a total capacity of **6,600 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.

Supports Most Office Environments

The MX-3640N/3140N/2640N 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.

A Range of Copy/Print Applications

Multi Shot and Booklet Making

Thanks to Multi Shot, two to eight pages of a multi-page document can be copied and up to 16 pages can be printed onto a single sheet, reducing paper use. And with the optional Saddle Stitch Finisher, multiple sheets can be automatically centre-stapled together to make booklets.

Laid out 4-in-1 on each page — Saddle stitch
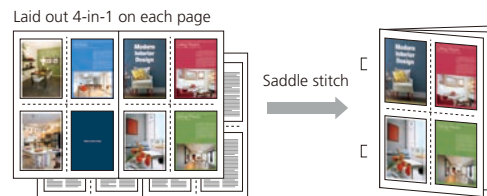
Custom Images

Customised images prepared by the user, such as a company logo stamp or a "TOP SECRET" watermark, can be used on copies.

Full-colour stamp   Greyscale watermark
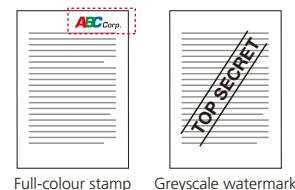
Book Divide

When copying or scanning a booklet or book, the Book Divide function separates the right and left (or the top and bottom) of a two-page spread and outputs each page in the original page order.

Image Positioning

With this function, a scanned image, such as a photo or an illustration, can be copied onto another document in a position specified by the user. The output can be confirmed beforehand using the Advanced Preview function on the LCD.

Image → Scan → Paper feeding → User specifies position → Image is printed onto specified position
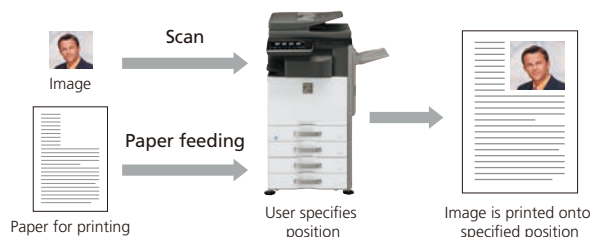
Paper for printing

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.

* Contact a Sharp customer representative for details on using this function.

(Image)

SUPERB IMAGE QUALITY

Improved Imaging System

Sharp thoroughly revamped its imaging process for the MX-3640N/3140N/2640N; now a high-performance processor, a new developer, and the **second-generation Mycrostoner-HG** (High Grade) combine to provide breathtaking image quality. The new toner expands the colour reproducibility range for a more natural rendering of clear blue skies, emerald green oceans, and other colour images. And the smaller particle size of the toner and the developer allows for reduced graininess and clear reproduction of fine lines, fine text, and halftone colours.

High-Resolution Output

The MX-3640N/3140N/2640N delivers 600-dpi copying and razor-sharp **1,200-dpi** printing—without sacrificing output speed. Digital smoothing technology enhances the 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.

Easy, High-Quality Copying

The MX-3640N/3140N/2640N comes standard with **Auto Colour Mode** to deliver high-quality automated copying. This function allows the MFP to make clear, easy-to-read copies from documents that contain not only text but also photos and maps. Here's how it works: **Auto Colour Selection** automatically determines whether a page is colour or B/W. The contents of each page are then analysed to distinguish between different components, such as photos and text, and the appropriate copy mode for that page is selected. Finally, Background Suppression automatically removes unnecessary background colour for clearer output.

Adobe® PostScript® 3™

The MX-3640N/3140N/2640N supports genuine Adobe PostScript 3 for better graphics handling.

VERSATILE OPERATION

Direct Printing

The MX-3640N/3140N/2640N can print PDF, TIFF, JPEG, and XPS* 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.
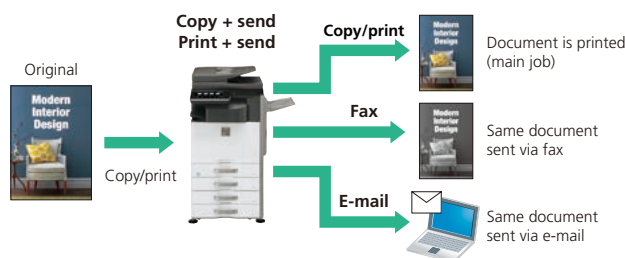
* Direct XPS printing requires optional MX-PUX1.

USB memory   **Network folder**   **FTP server**

Simultaneous Job Processing

The MX-3640N/3140N/2640N makes it easy to simultaneously carry out multiple jobs. Scanned documents can be copied and e-mailed at the same time. And documents can be simultaneously printed and faxed for ultra-convenient multitasking.

Original   **Copy + send / Print + send**   **Copy/print**   Document is printed (main job)

Copy/print   **Fax**   Same document sent via fax

E-mail   Same document sent via e-mail

Other Key Features

Heavy-Paper Handling

The MX-3640N/3140N/2640N can handle heavy paper up to **300 g/m²**, further expanding the range of printing applications.

Repeat Layout

Upgraded from the conventional Photo Repeat function, this function can repeat an entire page layout as a single image onto a single sheet.

Auto Zoom for Irregular-Size Originals

With Auto Zoom, after the user specifies the required finished size of a copy, the MX-3640N/3140N/2640N will automatically calculate the appropriate ratio by which to reduce or enlarge an irregular-size original.

Layout Print

This function repeats an entire page layout as a single image. The user can specify whether or not to repeat the first page (cover page) of the document.

- **Tab Copy / Tab Print** can copy or print directly onto tabs on document separators and insert them into assigned positions.
- **Multi-Page Enlargement** divides an image onto separate sheets for copying/printing posters.
- **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 in colour, eliminating the need for pre-printed paper.
- **Barcode font** compatibility (requires optional MX-PF10)
- **Card Shot** enables easy copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.
- **Colour Stamp** labels your copies with page numbers, the date or text such as "Urgent" in up to four different colours.
- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
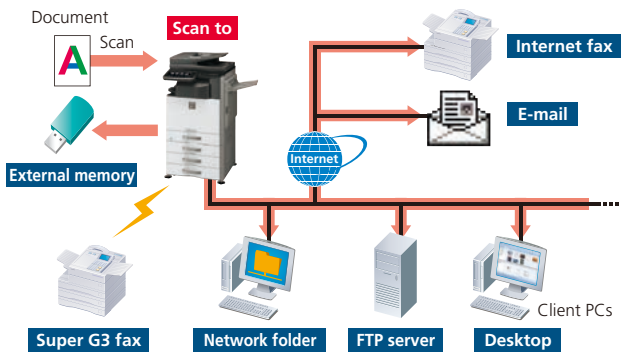
🖥 : Scan   🖥 : Fax

A3 Colour Network Scanning 🖥

The MX-3640N/3140N/2640N works as a **full-colour network scanner** and supports TIFF, PDF, PDF/A, encrypted PDF, compact PDF*, JPEG, and XPS file formats. Converting any type of paper-based document, up to A3 (11" x 17") 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. **Auto Colour Selection** chooses the right mode for scanning originals containing both colour and B/W pages (see page 4). And five levels of sharpness and contrast control enable finely tuned adjustments for optimal image quality.
* Requires optional MX-EB11.

Multiple Distribution of Scanned Files 🖥 🖥

With just a few taps on the LCD touchscreen, 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 External Memory Device** scans documents directly to USB memory devices. And **Scan to Fax** enables conventional faxing or Internet faxing.


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

Home Directory 🖥

The Home Directory function with user authentication allows users to designate a network folder as their own default scan destination, enabling easy data transfer. In addition to simplifying the scanning process, this handy function lets users scan and send large files that exceed the capacity of mail servers. It's so simple: after a user has logged on via user authentication and gone to the Image Send screen, the Home Directory function automatically selects the scan-destination folder.

One Scan/Multi Format 🖥 🖥

This function allows you to specify image resolution or colour for each mode of broadcasting employed. For example, when sending the same image data to both a fax and an e-mail destination, you can send a B/W version via fax and a full-colour version via e-mail.

Original · Scan · Fax · E-mail · B/W · Full-colour · Specify resolution or colour for each mode
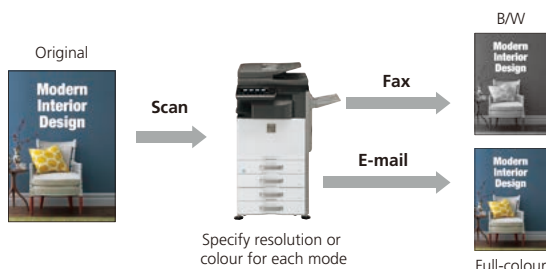
LDAP Support 🖥 🖥

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 MX-3640N/3140N/2640N displays a list of possible matches from your company's LDAP server. Selected addresses can be stored to the MX-3640N/3140N/2640N's address book.

Drop Out Colour 🖥

This function removes chromatic colour from a scanned image, reducing the data size for compact storage and enhancing the legibility of B/W text to improve the text recognition rate before OCR.

Black Letter Emphasis 🖥

When text-heavy documents are scanned, this function improves the legibility of B/W text while keeping the file size down. Text is scanned at high resolution while the rest of the document, including photos and illustrations, is scanned at a lower resolution.

Improved Address Book 🖥 🖥

With the MX-3640N/3140N/2640N's improved address book format, up to seven destinations, including e-mail addresses, fax numbers, and FTP addresses, can be displayed under each registered entry. For enhanced security, when registering an entry, you can select whether the information will be open to all MFP users or limited to only designated users or groups. And since only the viewable addresses for each logged-in user are displayed, the list of addresses is narrowed down, making address searches easier
Note: Contact a Sharp customer representative for details on activating this function.

PC-Fax/PC-Internet Fax 🖥

Directly send a document created on your PC to a recipient's fax machine via a phone line or the Internet without printing to paper. Save time and paper costs while retaining original document quality.
Note: PC-Internet Fax requires optional MX-FWX1; PC-Fax requires MX-FX11.

Internet Fax 🖥

Economically send and receive faxes to and from other T-37-compliant Internet fax machines via the Internet. Thanks to **Direct SMTP** support, outgoing Internet faxes do not go through your mail server, making transmission faster and cheaper.
Note: Requires optional MX-FWX1.

Paperless Faxing with Inbound Routing 🖥

Paperless faxing with inbound routing lets you check incoming faxes via e-mail before printing them out. It can also forward incoming faxes to destinations—another fax/Internet fax machine, an FTP server, a network folder (SMB), or a PC desktop—specified for each sender. When fax data is transferred by file, the Inbound Routing function automatically attaches the fax sender's name (as registered in the MFP's address book) to the file, so recipients will know who sent the fax.
Note: Requires optional MX-FWX1 and/or MX-FX11.
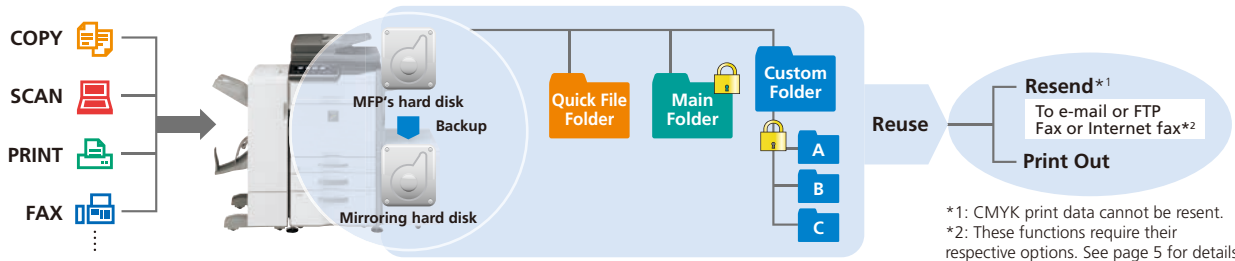
Fax Data Storage on MFP Hard Disk 🖥

The MX-3640N/3140N/2640N automatically stores data from incoming and Internet faxes on its hard disk for easy confirmation and printing from a PC.
Note: Requires optional MX-FWX1 and/or MX-FX11.

DOCUMENT MANAGEMENT

Document Management on the Hard Disk

You can save processed job data in designated folders on the MFP's 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
Backup
Mirroring hard disk

Quick File Folder
Main Folder
Custom Folder
A
B
C

Reuse

Resend*[1]
To e-mail or FTP
Fax or Internet fax*[2]
Print Out

*1: CMYK print data cannot be resent.
*2: These functions require their respective options. See page 5 for details.

Quick Filing

Up to **10,000 pages** or 1,000 files*[3] that have been copied, printed, scanned, or faxed*[4] can be stored by job on the hard disk 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*[3] that have been copied, printed, scanned, or faxed 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.

*3: Storage capacity will vary depending on the type of document and the scan settings.
*4: For fax and Internet 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.
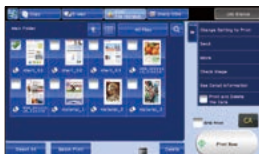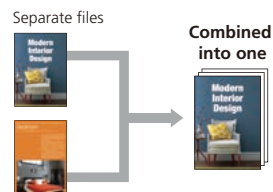
Thumbnail displays

Web access screen

File Combining

For more effective data utilisation, two files saved on the MFP's hard disk can be easily combined into one file.
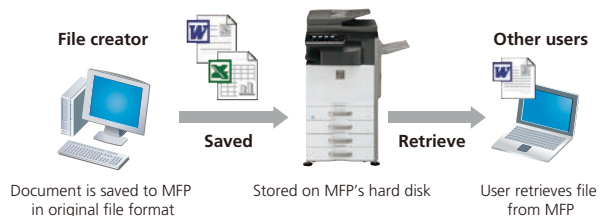
Separate files

Combined into one

PDFs for PC Browsing

Processed job data can be saved as PDF files for browsing and downloading on a PC.

Easy Sharing of Application Files

To facilitate file sharing across the office network, the MX-3640N/3140N/2640N 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: It is advisable to back up data saved to the MFP's hard disk through use of the optional Mirroring Kit.

File creator
Saved
Other users
Retrieve

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

Mirroring Kit

To protect the enhanced data handling capability of the MFP's hard disk, which provides improved Document Filing functions and easy sharing of application files, the optional Mirroring Kit offers hard disk backup and peace of mind.

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. With Sharpdesk, documents can be organised, edited, searched, and distributed with simple drag-and-drop operation. Features include **thumbnail** viewing, **annotation** tools for paper-free proofreading, optical character recognition, the ability to combine different types of files into a single document, and more.

Search   Edit
View
Store
Compose

Print   PC-Fax   E-mail   OCR   ICT*   Output zone
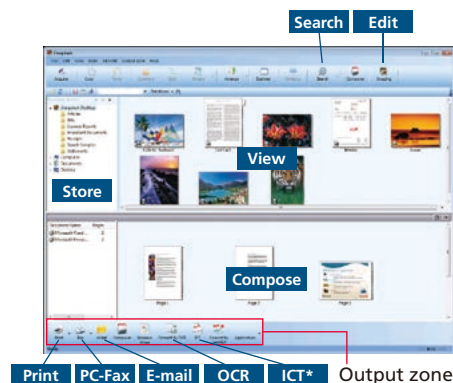
* Image Compression Tool for converting images into compact PDF files

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-3640N/3140N/2640N safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

Data Encryption and Overwriting

Digital copier/printers and MFPs can retain hundreds of pages of confidential information from previous jobs on their hard disks or internal memory. To safeguard such information from unauthorised access, the MX-3640N/3140N/2640N automatically **encrypts** document data stored on the hard disk and in the address book. Standard-equipped security features also provide up to seven automatic **overwrites** of data generated for each job, **protection** of administrator/file/folder passwords, and more.

Note: Contact a Sharp customer representative for details on activating these security functions.
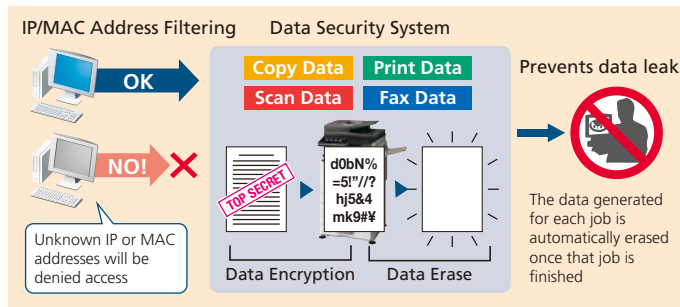
Secure Network Access

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.
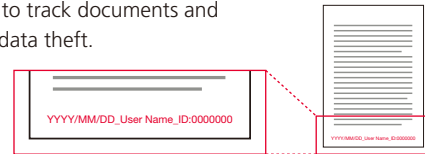
Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use. The MX-3640N/3140N/2640N also supports the **IEEE 802.1X** standard for port-based network access control, which blocks all access from unauthorised devices.

IP/MAC Address Filtering   Data Security System

OK

| Copy Data | Print Data |
| Scan Data | Fax Data |

NO! ✕

Unknown IP or MAC addresses will be denied access

TOP SECRET

d0bN%
=5!"//?
hj5&4
mk9#¥

Data Encryption   Data Erase

Prevents data leak

The data generated for each job is automatically erased once that job is finished

User Authentication

The MX-3640N/3140N/2640N 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. The MX-3640N/3140N/2640N can, for example, be set to allow B/W copying by all users while restricting colour copying to designated users. And the MX-3640N/3140N/2640N works with an **external Active Directory server** to extend user authentication to multiple MFPs and a greater number of users.

Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential data, the MX-3640N/3140N/2640N 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.

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).

IPsec Support

The MX-3640N/3140N/2640N supports **IPsec**, 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.
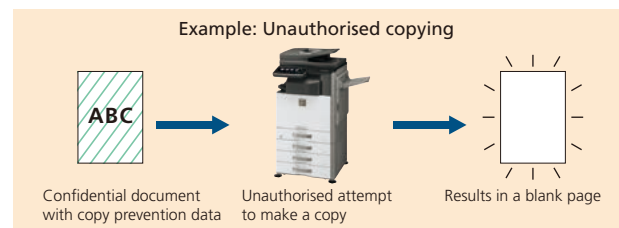
Scan to Me Function

Scan to Me lets a logged-in authorised user send scanned data to his/her own e-mail address simply by pressing the start button. This eliminates the need to manually enter or select the address, thereby preventing documents from being sent to the wrong address.

Tracking Information Print

This function prints the MFP user's name, the date, the MFP's serial number, job ID, and other specifics on printouts, making it possible to track documents and prevent data theft.

YYYY/MM/DD_User Name_ID:0000000

Hidden Pattern Copy/Print

With this function, a watermark, such as "Confidential" or "Not for Copy," can be embedded onto a document. If that document is copied, the watermark will appear, alerting the user not to distribute it.

Document Control Function (option)

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.

Example: Unauthorised copying

ABC

Confidential document with copy prevention data

Unauthorised attempt to make a copy

Results in a blank page

Data Initialisation

The MX-3640N/3140N/2640N's initialisation function allows confidential information to be erased. 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.

DEVICE MANAGEMENT

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.

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.

* Contact a Sharp customer representative for details on using this function.

Remote Diagnosis

The MX-3640N/3140N/2640N 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.

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

10.1-Inch Colour LCD Touchscreen

MFP operation has never been so intuitive, so easy. The MX-3640N/3140N/2640N's control panel features a wide, clear, WSVGA-resolution LCD touchscreen. Simple flick, drag, tap, (and more) gestures performed on the screen bring easy control of every document, function, and setting. And dual-touch pinch and spread gestures enable smooth Web browsing and effortless shrinking/enlarging of Advanced Preview images. For strain-free viewing, the MX-3640N/3140N/2640N's user interface employs a bold scalable font in sizes that vary in line with the content on display.

Mode Tabs

Mode tabs at the top of the screen make it easy to change job modes (copy, fax, document filing, Sharp OSA, etc.).

Customisable Screen

The Home screen can be customised for individual users by programming their most frequently used functions and settings, creating **shortcut keys** for quick and easy access, and using logos, icons, background images, and other items prepared by the user. The **Enlarge Display** mode brings added readability.

Advanced Preview

The Advanced Preview function saves you time and effort by displaying scanned images on the LCD for confirmation and editing. Page layout and document finishes such as stapling can be checked before the documents are printed out. Previewed pages can be easily rotated, put in a different order, and deleted via tap-and-drag editing right on the LCD. You can even erase specific parts of a previewed page and insert blank pages.

Action Panel

The Action Panel appears on the right side of the touchscreen to guide you through operational procedures. The MFP intuits what actions to take next and the Action Panel displays shortcut keys and messages pertaining to those actions.
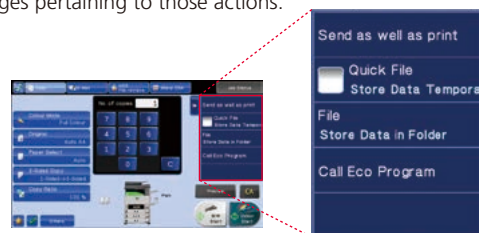
(Screen in Enlarge Display mode)

Other User-Friendly Features

Universal Design

• The control panel can be **tilted** to five different angles* for easy viewing, even from a wheelchair.

 * Tilts to only two angles when an optional finisher is installed.

• **Easy-grip handles** allow the paper drawers to be grasped from the top as well as the bottom for easy opening and closing.

Retractable Keyboard (option)

A **full-size retractable QWERTY keyboard** slides out from beneath the control panel to make text input fast and easy.

ENVIRONMENT-FRIENDLY

Outstanding Energy Efficiency

To reduce power consumption, Sharp has applied its advanced technologies across all areas of this MFP, including the hardware, software, electrical system, and supplies. As a result, the MX-3640N/3140N/2640N boasts one of the lowest power consumption rates in its class.

• Sharp's belt fusing system shortens the MX-3640N/3140N/2640N's warm-up time to **18 seconds**, contributing to reduced overall energy consumption.
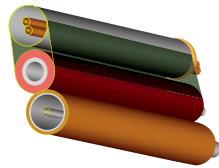
Sharp's belt fusing system

• Based on prior usage patterns, the MX-3640N/3140N/2640N automatically determines the optimal length of time to let elapse before going into **auto power shut-off mode**, helping reduce overall power consumption. Shortly before auto power shut-off mode begins, a message appears* on the LCD indicating that the MFP will soon shut down and giving users the option to continue operation.

* Contact a Sharp customer representative to activate this pop-up message function.

• **Power ON/OFF Schedule** function automatically turns the MX-3640N/3140N/2640N on or off according to time schedules set by the administrator.

Power off	Power on	Off	On	Off

| 9:00	12:00	13:00		17:00
Start of day	Lunch break			End of day
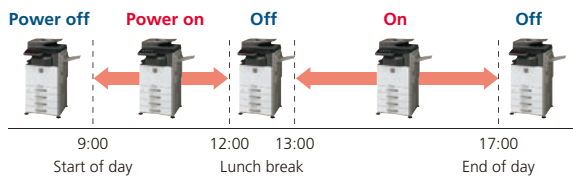
• Before a print*/copy command is executed from the control panel, the **Eco Recommendation** function offers suggestions on environmentally friendly settings, helping users achieve even greater eco-friendly operation.

* Printing of Document Filing data and direct printing (FTP/SMB/USB).

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

• Second-generation Mycrostoner-HG has a **lower melting point** than conventional toner, allowing fusing to be carried out with less energy. It also offers a significantly lower consumption rate than conventional toner.

• For further energy savings, energy-efficient **LED lamps** are employed in the scan unit in place of conventional xenon lamps. A new ASIC (application-specific integrated circuit) also helps the MX-3640N/3140N/2640N deliver excellent performance and energy efficiency.
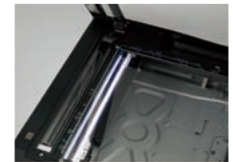
EXPANDABILITY

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-3640N/3140N/2640N 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
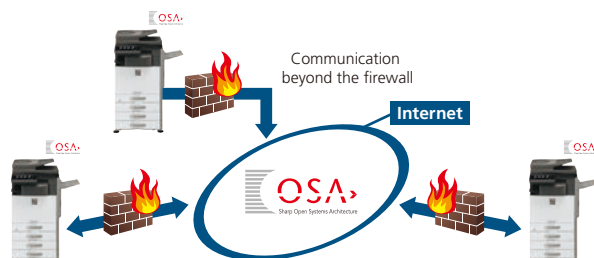
Internet

Direct Internet Access

The optional **Web Browsing Expansion Kit** gives you direct access to the Internet for easy browsing of Web sites on the colour touchscreen. With such quick access to information, brochures and user manuals in PDF format as well as maps and coupons can be printed out on the spot.

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.

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

OPTIONS

System Configuration

MX-KB11 N
Keyboard

MX-FN17
Finisher

MX-TR13 N
Exit Tray Unit

MX-LT10
Long Paper Feeding Tray

MX-FX11
Fax Expansion Kit

MX-FN10
Saddle Stitch
Finisher

MX-RB10 N
Paper Pass Unit

MX-LC11
Large Capacity Tray
(A4)

BASE UNIT

MX-DE12
Stand with
500-Sheet
Paper Drawer

MX-DE13
Stand with
2 x 500-Sheet
Paper Drawer

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

MX-DE20
Stand with
500 + 2,000-Sheet
Paper Drawer

MX-PN11A/B/C/D Punch Module for MX-FN17	**AR-SU1** Stamp Unit	**MX-AMX1** Application Integration Module	**MX-EB12 N** Mirroring Kit
MX-PNX5A/B/C/D Punch Module for MX-FN10	**MX-FWX1** Internet Fax Expansion Kit	**MX-AMX2** Application Communication Module	**MX-AM10** Web Browsing Expansion Kit
MX-PUX1 XPS Expansion Kit	**MX-USX1/X5** Sharpdesk 1/5-License Kit	**MX-AMX3** External Account Module	**MX-FR41** Data Security Kit (Common Criteria validated)
MX-PF10 Barcode Font Kit	**MX-US10/50/A0** Sharpdesk 10/50/100-License Kit	**MX-EB11** Enhanced Compression Kit	**MX-FR41U** Data Security Kit

Certain options may not be available in some areas.

Specifications for Options

MX-FN17 Finisher

Paper size	Non offset	A3W to A5R (12" x 18" to 5 $^1/_2$" x 8 $^1/_2$"R)
	Offset/staple	A3 to B5 (11" x 17" to 8 $^1/_2$" x 11"R)
Paper capacity		500 sheets (A4 or smaller), 250 sheets (B4 or larger)
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 A5R (12" x 18" to 5 $^1/_2$" x 8 $^1/_2$"R)
	Offset/staple	A3 to B5R (11" x 17" to 8 $^1/_2$" x 11"R)
Paper capacity	Offset tray	1,000 sheets (A4 or smaller, except A5R), 500 sheets (A5R, B4 or larger)
	Saddle stitch tray	10 sets of 11–15 sheets, 15 sets of 6–10 sheets, 20 sets of 1–5 sheets
Stapling capacity		50 sheets (A4 or smaller), 25 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

Punch Modules

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

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

MX-FX11 Fax Expansion Kit

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Modem speed	33,600 bps to 2,400 bps

MX-DE12 Stand with 500-Sheet Paper Drawer

Paper size	A3 to A5R (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$"R)
Paper capacity	500 sheets

MX-DE13 Stand with 2 x 500-Sheet Paper Drawer

Paper size (upper and lower tray)	A3 to A5R (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$"R)
Paper capacity (upper and lower tray)	500 sheets each

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

Paper size (upper/middle/lower tray)	A3 to A5R (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$"R)
Paper capacity (upper/middle/lower tray)	500 sheets each

MX-DE20 Stand with 500 + 2,000-Sheet Paper Drawer

Paper size (upper tray)	A3 to A5R (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$"R)
(lower right/left tray)	A4 (8 $^1/_2$" x 11")
Paper capacity (upper tray)	500 sheets
(lower right tray)	850 sheets
(lower left tray)	1,150 sheets

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, B5 (8 $^1/_2$" x 11")
Paper capacity	3,500 sheets

Note: All specifications relating to paper capacity refer to 80 g/m^2 paper.

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

MX-3640N/3140N/2640N Digital Full Colour Multifunctional System

SPECIFICATIONS (tentative)

General

Type	Desktop
Engine speed	A4 (8 $^1/_2$" x 11")*¹: Max. 36/31/26 ppm
	A3 (11" x 17"): Max. 17/15/14 ppm
Control panel display	10.1-inch colour LCD touchscreen
Paper size	Max. A3 wide (12" x 18"), min. A5 (5 $^1/_2$" x 8 $^1/_2$")*²
Paper capacity	Standard: 600 sheets
(80 g/m²)	(500-sheet tray and 100-sheet multi-bypass tray)
	Maximum: 6,600 sheets
	(600 sheets & optional 500 + 2,000-sheet tray and 3,500-sheet tray)
Paper weight	Tray: 60 g/m² to 220 g/m² (16 lbs bond to 80 lbs cover)
	Multi-bypass tray: 55 g/m² to 300 g/m²
	(13 lbs bond to 110 lbs cover)
Warm-up time*³	18 sec.
Memory	4GB (copy/print shared) 320GB HDD*⁴
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption	Max. 1.84 kW (220 to 240V), max. 1.44 kW (100 to 127V)
Dimensions (W x D x H)	MX-3640N: 608 x 681 x 834 mm (23 $^{15}/_{16}$" x 26 $^{13}/_{16}$" x 32 $^{61}/_{64}$")
	MX-3140N/2640N: 608 x 659 x 834 mm
	(23 $^{15}/_{16}$" x 25 $^{15}/_{16}$" x 32 $^{61}/_{64}$")
Weight (approx.)	76 kg (167.5 lbs)

Copier

Original paper size	Max. A3 (11" x 17")
First copy time*⁵	Full colour: 6.8/7.9/8.1 sec. B/W: 5.2/5.8/5.9 sec.
Continuous copy	Max. 999 copies
Resolution	Scan (colour): 600 x 600 dpi
	Scan (B/W): 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi
	Print: 600 x 600 dpi,
	9,600 (equivalent) x 600 dpi (depending on copy mode)
Gradation	Equivalent to 256 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 Scanner

Scan method	Push scan (via control panel)
	Pull scan (TWAIN-compliant application)
Scan speed*⁶	[Colour & B/W] Max. 50 originals/min.
Resolution	Push scan: 100, 150, 200, 300, 400, 600 dpi
	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi
	50 to 9,600 dpi via user setting*⁷
File formats	TIFF, PDF, PDF/A, encrypted PDF, compact PDF*⁸, 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
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection

Network Printer

Resolution	1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS	Windows Server® 2003, Windows Server® 2003 R2,
	Windows Server® 2008, Windows Server® 2008 R2,
	Windows Server® 2012, Windows Server® 2012 R2,
	Windows Vista®, Windows® 7, Windows® 8, Windows® 8.1,
	Mac OS X 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10
Network protocols	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), EtherTalk (AppleTalk)
Printing protocols*¹²	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP,
	FTP for downloading print files, EtherTalk printing, IPP
PDL	Standard: PCL 6 emulation, Adobe® PostScript® 3™
	Option: XPS
Available fonts	80 fonts for PCL, 139 fonts for Adobe PostScript 3

B/W Facsimile (optional MX-FX11 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*¹³
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 size	A3 to A5 (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$")
Memory	1GB (built-in)
Greyscale levels	Equivalent to 256 levels

- Design and specifications are subject to change without prior notice.
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*1: Long-edge feeding.
*2: Only short-edge feeding can be used with A5 (5 $^1/_2$" x 8 $^1/_2$") paper.
*3: At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment.
*4: HDD capacity depends on procurement and sourcing status.
*5: Long-edge feeding of A4 (8 $^1/_2$" x 11") sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, MFP in fully ready condition. May vary depending on operating conditions and environment.
*6: Based on Sharp's A4 standard chart, using document feeder, long-edge feeding, and one-sided scanning. Using factory default settings with Auto Colour Selection off. Scan speed will vary depending on the type of document and the scan settings.
*7: Resolutions higher than 600 dpi are interpolated.
*8: Optional MX-EB11 required.
*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: IPv6 is supported only by LPR printing protocol.
*13: Based on Sharp's standard chart with approx. 700 characters (A4 or 8 $^1/_2$" x 11" long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

1,206 mm
659 mm (681 mm)*
608 mm
1,459 mm

* MX-3640N dimensions   Shown with options.

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