SHARP

MX-M450U/N
MX-M350U/N
U model: Digital Laser Copier/Printers
N model: Digital Multifunctional Systems

OPTIMISE WORKFLOW WITH
A SECURE AND FLEXIBLE SOLUTION

SHARP *DOCUMENT* SOLUTIONS

OPTING FOR THE BEST RESULTS

Nowadays, even the choice of office equipment can make a difference to your business performance. In order to maximise your document management systems, you need a powerful centralised solution that offers a whole host of productivity-boosting options and system configurations that can meet and grow with your business needs. The MX-M450/M350 series (MX-M450U/N, MX-M350U/N) is designed to improve document workflow. Excellent scanner functions conveniently set the stage for digitalised, paperless workflow, and exceptional networking capability and industry-leading security solutions deliver safe and efficient office communications. These devices can truly help your business be its best
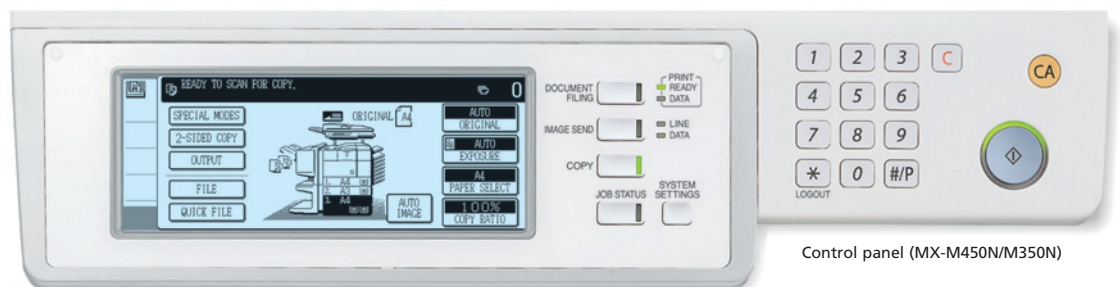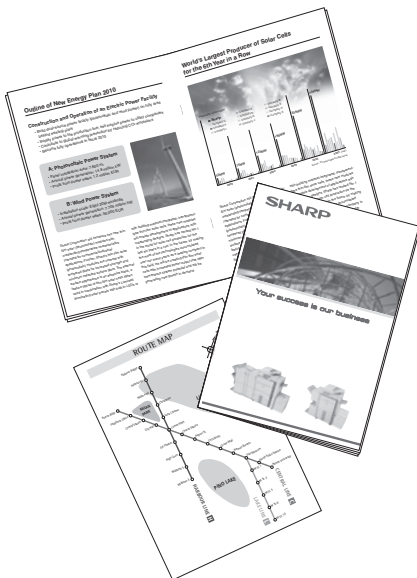
EASY TO USE, KIND ON THE ENVIRONMENT

The MX-M450/M350 series is designed for everyone in your office, regardless of ability or experience. Its user-friendly control panel featuring a large, 8.9-inch touch-screen LCD and concave-shaped keys for greater fingertip control ensures easy navigation through even the most advanced functions. And with Sharp OSA™ (Open Systems Architecture), third-party software developers can customise the MX-M450/M350 series for specific user applications, bringing even greater usability.
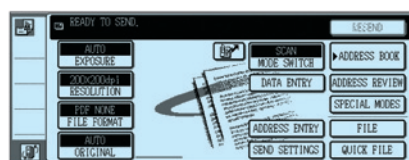
By offering two energy-saving modes, the MX-M450/M350 series reduces running costs and environmental burden. It has been recognised by the Energy Star programme, an international system for identifying energy-efficient products, and complies with the RoHS* directive restricting the use of hazardous substances.

* Restriction of the use of certain Hazardous Substances

Control panel (MX-M450N/M350N)

Scan screen

Control panel (MX-M450U/M350U)

KEY FEATURES

Productive Copying and Printing

- Speedy output of max. 45 ppm (MX-M450U/N) and 35 ppm (MX-M350U/N) and quick first copy out time
- 50-sheet Duplex Single Pass Feeder and duplex module*¹
- Professional job finishing options include booklet making and hole-punching
- Productivity-enhancing options include mail bin stacker and large-capacity tray
- Network tandem function*² doubles output speed by linking two machines
- Job Build for large-volume documents
- Powerful network printing*²
- PCL5e/PCL6 and optional PS3 emulation

Powerful Network Scanning (option)

- Speedy scanning of two-sided docments using the DSPF
- Multiple scan destinations: scan to e-mail/FTP server/HDD/desktop/network folder (SMB)
- LDAP support for easy browsing of e-mail addresses and fax numbers

Multi-Layered Security

- Secure network interface card restricts unauthorised access*²
- Optional Data Security Kit*⁵ encrypts and erases confidential data
- SSL (secure sockets layer) and IPsec*⁵ for secure network communications*²
- Confidential Print secures printing with PIN code authentication
- User authentication for network scanning

MX-M450N

Versatile Faxing (option)

- Super G3 faxing and JBIG compression
- Inbound routing lets you check incoming faxes via e-mail
- Internet faxing for lower communication charges
- PC-Fax/PC-Internet Fax transmission
- Duplex fax transmission and reception

All-Around Usability

- 8.9-inch touch-screen LCD control panel
- Supports the latest operating systems and network protocols*², including IPv6
- Sharp OSA™ (Open Systems Architecture) *⁴ allows integration with software programmes and makes them accessible from the LCD control panel
- Advanced device management with Sharp network utilities*²

Document Management

- Document filing improves workflow efficiency by enabling reuse of processed job data on the hard disk*³
- Sharpdesk™ provides easy, integrated document management on a PC

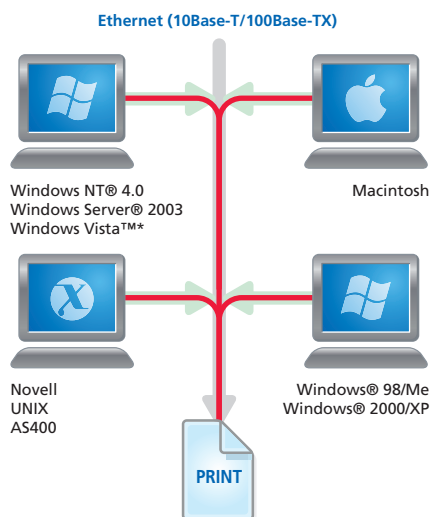*1: Duplex module is optional for MX-M350U/N
*2: U models require optional MX-NBX2 or MX-NBX3
*3: U models require optional MX-NBX3
*4: Requires optional MX-AMX2 and/or MX-AMX3; U models also require MX-NBX3
*5: Available at a later date

PRINT |

HIGH PERFORMANCE PRINTING

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

Windows NT® 4.0
Windows Server® 2003
Windows Vista™*

Macintosh

Novell
UNIX
AS400

Windows® 98/Me
Windows® 2000/XP

PRINT

* Available at a later date

The MX-M450/M350 series is packed with powerful performance features such as the RIP Once/Print Many function that speeds up multiple-print production by requiring only a single download of data from your PC. The Mail Bin Stacker, Priority Printing, and Bypass Printing are efficiency-boosting features that save time and prevent costly delays.

at a glance...

- **Fast, high-volume printing** of 45 ppm (MX-M450U/N) and 35 ppm (MX-M350U/N)
- **Duplex printing*¹** saves you filing space and paper costs
- **PDF/TIFF direct print*²** - save valuable time by printing PDF and TIFF files without using the printer driver, either by calling and printing the file directly from an FTP server, direct printing from a Web page, or direct printing of e-mail attachments
- **Supports PCL5e and PCL6** printer language emulations; **PostScript 3** is available*3 for compatibility with more fonts and better graphics handling
- **Network printing*⁴** supports the latest and most commonly used network operating systems and protocols, including Windows Vista™ (available at a later date) and next-generation IPv6
- **Network tandem function*⁴** - double the output speed by using two MX-M450/M350 series machines on the same network
- **Mail Bin Stacker** (optional) - pre-select one of seven destination bins to avoid mixing up your printouts with those of others
- **Priority printing** lets you change print queue for urgent jobs
- **Bypass printing** proceeds to the next possible job in the queue in case a tray runs out of paper
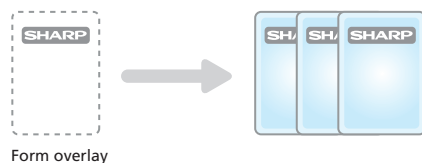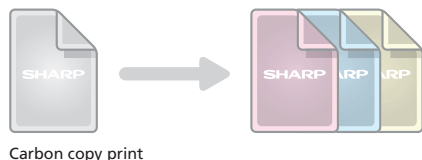
*1: Optional for MX-M350U/N
*2: Direct PDF printing requires optional AR-PK6; may not support all PDF or TIFF file formats
*3: Requires optional AR-PK6
*4: U models require optional MX-NBX2 or MX-NBX3

Various Applications

Carbon copy print

Form overlay

High-Quality Imaging

The MX-M450/M350 series' fine particle toner technology, 1200 x 600 dpi resolution*, and 256-level greyscale ensure that all your printing needs will be met with exceptionally crisp, clear, and professional-quality documents.

* Equivalent with smoothing

Special Applications

- **Carbon copy print** - print multiple copies of the same data on plain and/or coloured paper fed from different paper trays
- **Form overlay** - store document formatting such as letterheads, eliminating the need for pre-printed paper
- **Barcode font** print capability allows convenient in-house production of barcoded documents (requires optional AR-PF1 Barcode Font Kit)

PRODUCTIVE COPYING

50-Sheet Duplex Single Pass Feeder

The MX-M450/M350 series delivers an impressive quick first copy out time and fast copy speed. Large-capacity trays and Auto Tray Switching minimise interruptions and machine downtime when copying. The Duplex Single Pass Feeder (DSPF) brings efficiency with double-sided, single-pass scanning that saves you time.
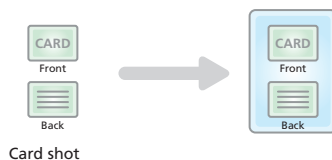
A Variety of Job Finishing Option

Saddle stitching

Hole punching

at a glance...   !

- **Fast copying** *at 45 cpm (MX-M450U/N) and 35 cpm (MX-M350U/N)*
- **Quick first copy out time** *- 4.4 seconds (MX-M450U/N) and 4.9 seconds (MX-M350U/N)*
- **Convenient 50-sheet DSPF** *(Duplex Single Pass Feeder) makes any scan job easy; double-sided documents up to A3 in size are scanned in one pass*
- **Scan Once/Print Many, electronic sorting, and offset stacking** *for highly productive copying*
- **Large paper supply** *of up to 3,100 sheets and on-line 4-way paper feed*
- **Auto tray switching** *reduces interruptions by automatically switching to a different tray when the first becomes empty*
- **Job Build function** *- large-volume jobs of up to 10,000 pages* can be scanned in batches and stored for output as a single job*
- **Digital auto exposure control** *and* **Text/Photo mode** *ensure optimum copy quality*
- **Image editing functions** *- multi-shot (4-in-1, 2-in-1), mirror image, and more*

* U models require optional MX-NBX3. Measured using Sharp's standard chart (A4 with 6% coverage). The number of pages that can be stored for the Job Build function depends on the machine's HDD capacity and other conditions.

Card shot

Stamp

Automated Finishing Options

Optional finishing peripherals capable of multi-position stapling, saddle stitch booklet finishing, and hole-punching can be added to create professional-looking documents. A finisher is also available for jobs that require only simple sorting and stapling.

Special Applications

- **Network tandem function*** - double the output speed by using two MX-M450/M350 series machines on the same network
- **Card shot** - one-touch scanning and copying of both sides of a card (credit cards, ID cards, etc.) onto a single page
- **Book copy** compiles copies of a book or bound originals into pamphlet format
- **Stamp function** - label your copies with entered text, page numbers, the date, or a character set such as "CONFIDENTIAL"
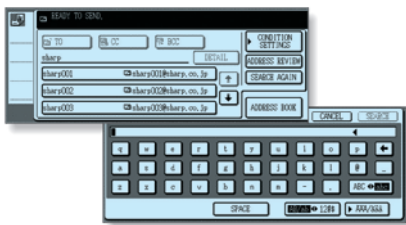
* U models require optional MX-NBX2 or MX-NBX3

POWERFUL NETWORK SCANNING

When the MX-M450/M350 series is combined with the optional Network Scanner Expansion Kit*, the result is a powerful network scanner. It can efficiently convert any type of paper-based document up to A3 size into an editable digital file. With a 50-sheet DSPF, even double-sided documents can be scanned quickly. These fully editable files can be printed out, distributed by e-mail, or digitally stored for easy sharing, making them perfect for any common office application.

MX-NSX1; U models also require MX-NBX2 or MX-NBX3

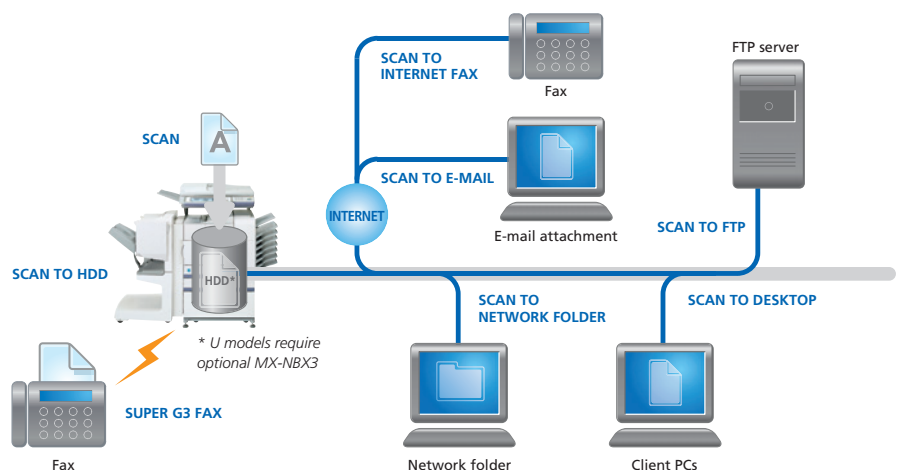QWERTY keyboard allows easy text entry

at a glance...

- **50-sheet DSPF** (Duplex Single Pass Feeder) scans both sides of an original up to A3 in size in a straight path

- **Multiple scan destinations** - scan to e-mail, FTP server, hard disk, PC desktop, or network folder (SMB)

- Optional **Application Integration Module** (MX-AMX1) lets you add information or meta data to scanned documents to instruct selected applications how to handle the scanned document; allows control of document workflow right from the MFP's LCD control panel

- Useful utility software - **Sharpdesk™** document management software

- **Lightweight Directory Access Protocol** (LDAP) support allows easy browsing and storing of e-mail addresses for rapid distribution of scanned documents, as well as automatic synchronisation with your primary e-mail server

- **Various scanned file formats** - TIFF, TIFF-FX (TIFF-F)*1, PDF*2, and linearised PDF*2 which allows the first page of the file to be displayed in a Web browser before the entire file is downloaded

- **Job Build function** - up to 10,000 scanned pages can be stored on the hard disk*3

- **Easy text entry** - preset frequently used e-mail subject titles or messages for easy one-touch entry or directly enter text from the MX-M450/M350 series' LCD control panel

1: Requires optional MX-FWX1
2: Requires optional AR-PK6
3: Measured using Sharp's standard chart (A4 with 6% coverage). The number of pages that can be stored for the Job Build function depends on the machine's HDD capacity and other conditions. U models require optional MX-NBX3.

SCAN TO INTERNET FAX

Fax

FTP server

SCAN

SCAN TO E-MAIL

INTERNET

E-mail attachment

SCAN TO FTP

SCAN TO HDD

HDD*

SCAN TO NETWORK FOLDER

SCAN TO DESKTOP

* U models require optional MX-NBX3

SUPER G3 FAX

Fax

Network folder

Client PCs

VERSATILE FAXING

G3 14.4 Kbps

15 sec	6 sec/page	4 sec
Preparation time	Transmission time	Finishing time

Super G3 36.6 Kbps
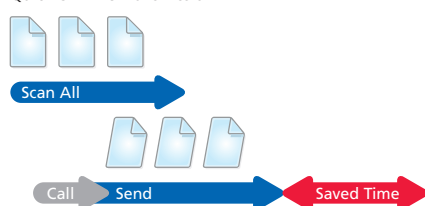
SUPER G3

| 8 sec | 3 sec/page | 1 sec |

Combine MX-M450/M350 series devices with one or both of the optional fax kits* and sending faxes becomes quick and easy. Inbound routing saves on paper by allowing you to view incoming faxes on your PC before deciding which ones to print out. Also, the PC-Fax and Internet Fax functions offer additional time, paper, and cost-saving transmission options.
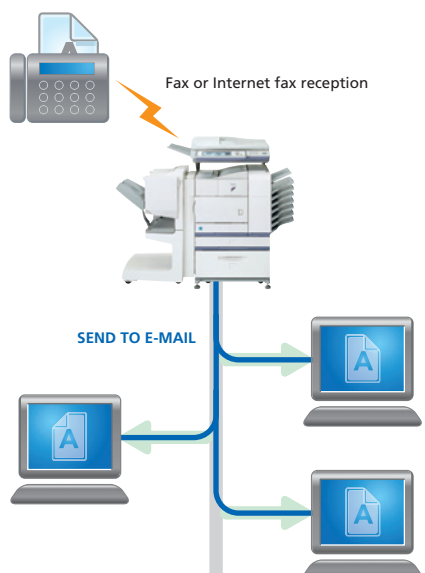
* AR-FX12 or MX-FWX1

Conventional Memory Transmission

| Scan All | Call | Send |

Quick On-Line Transmission

Scan All

| Call | Send | Saved Time |

at a glance... !

- **Extremely versatile** — *send or receive single or double-sided*[1] *faxes up to A3 in size*
- **Saves time** — *Super G3/JBIG compression for extra speed*
  — *on-line transmission reduces total operation time*
  — *50-sheet DSPF enhances the efficiency of your fax jobs*
- **Paperless faxing with inbound routing** *lets you check incoming faxes via e-mail and print only what you need*
- **Rapid transmission** — *register up to 999*[2] *frequently used numbers and dial with one-touch operation*
- **Flash memory** *prevents data loss in case of power failure*
- **Internet fax**[3] — *send and receive faxes over the Internet with other ITU-T T-37-compliant machines for faster and easier transmissions*

[1]: Duplex printing is optional for MX-M350U/N
[2]: Standard 500 numbers for U models; max. 999 when equipped with optional MX-NBX3
[3]: Requires optional MX-FWX1 and MX-NSX1; U models also require MX-NBX3

Inbound Routing to E-Mail

Fax or Internet fax reception

SEND TO E-MAIL

Paperless Faxing with Inbound Routing

The MX-M450/M350 series can be set to forward incoming fax data to a designated e-mail address*. This enables you to check incoming faxes on a PC and print only the ones you need.

* Requires optional MX-NSX1 and AR-FX12 or MX-FWX1; U models also require MX-NBX3
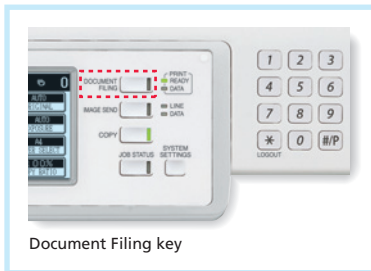
PC-Fax and PC-Internet Fax

A PC-Fax/PC-Internet Fax* function allows you to send a document, created on your PC, directly to a recipient's fax machine via a phone line or the Internet. And because faxing can be done from your PC, without printing anything out on paper, this function saves time and paper costs, increases faxing productivity, and retains original document quality.

* PC-Fax requires optional AR-FX12 and PC-Internet Fax requires optional MX-FWX1 and MX-NSX1; U models also require MX-NBX3

PC-Fax

PC-Internet Fax

Phone Line

INTERNET

Send Fax" command from PC

Fax is sent to recipient fax machine

EFFICIENT FILING TO BOOST WORKFLOW

Document Filing key

Document Filing screen (main folder)

Web access screen

From temporary to long-term, whatever your filing needs, the MX-M450/M350 series offers simplified document management and easy data retrieval. Quick File Folders for temporary storage on the hard disk* allow data to be used later without reloading or rescanning. Longer-term storage using Main Folders allows convenient and centralised sharing and Custom Folders enable secure filing of sensitive data.

U models require optional MX-NBX3

Quick Filing with Temporary Storage

Saves up to 10,000 pages or 1,000 files*[1] of processed copy, print, scan, and fax*[2] job data for temporary storage on the hard disk for later use, eliminating the need to recreate jobs.

Advanced Filing for Long-Term Storage

Saves job data on the hard disk in up to 500 folders (20,000 pages or 3,000 files*[1]) with customised names and locations. It also has enhanced security features to protect your sensitive data. The storage options include:

- Main Folder — stores files in a central location for convenient workgroup sharing
- Custom Folder — stores confidential files in private folders with password security

*1: Measured using Sharp's standard chart (A4 with 6% coverage). The Quick File Folder shares the HDD with the Job Build function.
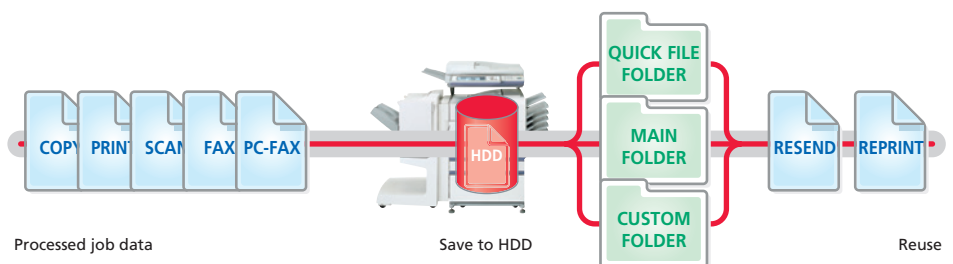*2: For fax and Internet fax jobs, only transmitted data (not received faxes) can be saved in the Document Filing function.

Easy Access

Convenient access to documents stored on the hard disk from the control panel or through a Web browser.
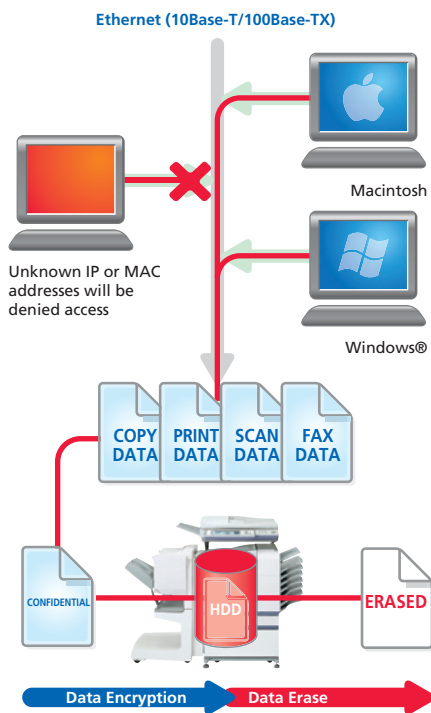
Secure Storage

With the optional Data Security Kit installed, all data that goes through the MX-M450/M350 series' hard disk is encrypted. This helps you to protect confidential data and documents from unauthorised access.

COPY PRINT SCAN FAX PC-FAX — HDD — QUICK FILE FOLDER / MAIN FOLDER / CUSTOM FOLDER — RESEND REPRINT

Processed job data — Save to HDD — Reuse

SOLID, MULTI-LAYERED SECURITY

With our award-winning security solutions, you are guaranteed peace of mind. Layer after layer of Sharp's powerful security solutions thoroughly safeguard your network and your data. Unauthorised access to documents is blocked, stored data is encrypted then erased once that job is finished, and access to sensitive information is screened through user identification.

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

Macintosh

Unknown IP or MAC addresses will be denied access

Windows®

COPY DATA | PRINT DATA | SCAN DATA | FAX DATA

CONFIDENTIAL | HDD | ERASED

Data Encryption → Data Erase →

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

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at a glance...

- **Data Security Kit*¹** encrypts and erases any data on the hard disk or internal memory safely and completely after use

- **Secure network interface card*²** provides a firewall that prevents direct connection and access by unauthorised users

- **Secure Sockets Layer** (SSL)*² encrypts data communications to prevent data leakage through the network; supports HTTPS and IPP-SSL*³

- **IPsec compatibility*² *⁴** ensures an even higher level of network security

- **Confidential data storage and printing*⁵** protects sensitive information by requiring the user to enter a PIN code before the documents are produced

- **User authentication** requires logging into the machine with passwords for machine access

- **Secure data storage for Document Filing*⁶** — all data that goes through the hard disk is encrypted, while passwords used in the Advanced Filing function ensure solid security

- **Auditing mode** — keep track of and control the amount of use by employee or department

*1: Optional
*2: U models require optional MX-NBX2 or MX-NBX3
*3: SMTP-SSL, POP3-SSL, and FTPS available at a later date
*4: Available at a later date
*5: U models require optional MX-NBX3
*6: Requires optional Data Security Kit

Data Security Kit

Digital copiers/printers or multifunction products can retain hundreds of pages of confidential information from previous jobs on their hard disks or internal memory. To safeguard this information from unauthorised access, the optional Data Security Kit automatically encrypts and erases the data after each job is complete. It also encrypts data stored on the hard disk and in the address book.
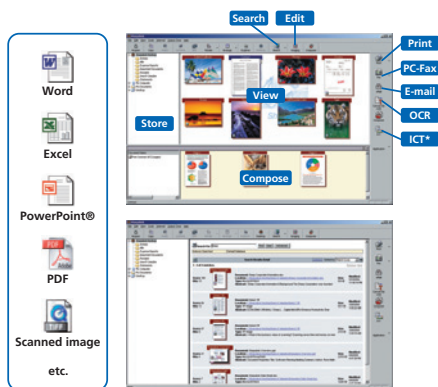
Secure Network Interface Card

The network interface card* provides highly secure operation by restricting access to the MX-M450/M350 series on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MX-M450/M350 series. Attempted access from an unknown IP or MAC address will be denied, preventing un authorised use.
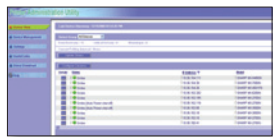
* U models require optional MX-NBX2 or MX-NBX3
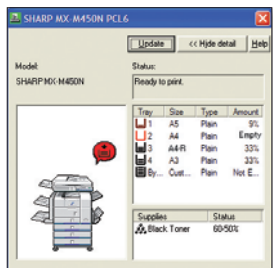
EFFECTIVE UTILITY SOFTWARE

Search screen

*Image Compression Tool for converting images into high-compression PDF files

Web-based PAU 4.0

Printer Status Monitor

Job Status screen

Sharp OSA™ screen

Easy Document Management with Sharpdesk™

Sharp's original document management software, Sharpdesk™, lets you manage documents in over 200 file formats in a single application right on your PC desktop. This makes integration of scanned paper-based documents and files created in popular applications such as Word possible. Features include:

- Intuitive desktop display featuring **thumbnail** viewing
- Sharpdesk Imaging provides **annotation** tools for paper-free proof reading
- 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

Easy Device and Job Management

- System set-up is accessible via a standard Web browser, enabling administrators to effortlessly configure system settings, including user control and security.
- **Printer Administration Utility** makes printer networks easier to manage by allowing administrators to customise monitored items and view settings, such as the IP address, directly from their PC through a Web browser.
- **Printer Status Monitor** alerts you when the MX-M450/M350 series is low on paper or toner, helping you to avoid problems before they arise. The alert appears in the form of easy-to-understand graphics.
- The **Job Status** screen on the control panel displays a list of all copy/print jobs, showing you at a glance the jobs in progress and the position of your job in the queue.

Sharp OSA™ (Open Systems Architecture)

The MX-M450/M350 series has an open system architecture that allows third-party software developers to create custom applications that link the MFP to software programs on a server or PC. The LCD control panel can thus be used to access and operate these software programmes. Sharp OSA™ has two soft key modules, each of which extends the functionality of the MFP:
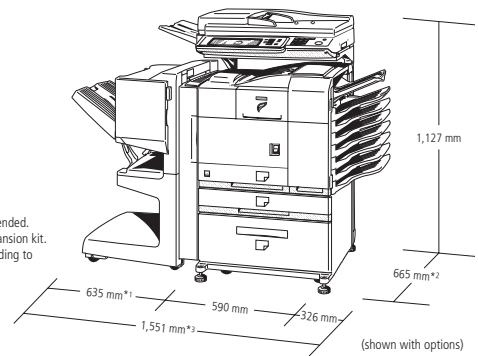
- **Application Communication Module** (MX-AMX2) lets remote applications create, configure, and execute scanning and printing jobs on the MFP
- **External Account Module** (MX-AMX3) tracks usage by individuals and workgroups and restricts usage according to individual access rights

OPTIONS

*1: 753 mm with tray extended.
*2: 676 mm with fax expansion kit.
*3: Max. 1,669 mm according to condition *1.

1,127 mm

665 mm*2

635 mm*1 | 590 mm | 326 mm

1,551 mm*3

(shown with options)

3. AR-DU4**
10. MX-EFX1*
11. AR-FX12
12. AR-TE4*
9. AR-RK2*
13. AR-TE5
1. AR-TE3
4. AR-DU3**
2. AR-FN7
14. AR-MS1
7. AR-MU2*
5. AR-D27*
6. AR-D28*
15. AR-FN6
8. AR-DK35/W

*Required for basic configuration **Either AR-DU3 or AR-DU4 is required for MX-M450U/N, both are optional for MX-M350U/N*

Finishing

1. AR-TE3 Exit Tray
Extra exit tray for AR-DU3
Note: Cannot be installed with AR-FN7.

2. AR-FN7 Saddle Stitch Finisher
A3 to B5 (offset/staple), A3 to A5R (non offset)
Offset tray (upper): max. 1,000-sheet paper capacity (A4, 80 gsm)
Stapling capacity: max. 50-sheet multi-position staple
Staple position: 3 locations (front, rear or both)
Saddle stitch tray (lower): 10-sheet saddle stitch (A4, 80 gsm)
Note: Requires AR-DU3; cannot be installed with AR-FN6.

AR-PN1A 2-Hole Punch Unit
AR-PN1C 4-Hole Punch Unit
AR-PN1D 4-Hole Wide Punch Unit

3. AR-DU4 Duplex Module with Bypass Tray
Stackless duplex module
Bypass tray: max. 100-sheet capacity (A4, 80 gsm), A3 to A5R, 52 to 205 gsm
Note: Cannot be installed with AR-FN7.

4. AR-DU3 Duplex Module
Stackless duplex module

12. AR-TE4 Upper Exit Tray Expansion
Exit tray for main machine
Note: Cannot be installed with AR-FN6, AR-MS1 or AR-TE5.

13. AR-TE5 Right Upper Exit Tray
Extra exit tray for main machine
Note: Cannot be installed with AR-FN6, AR-MS1 or AR-TE4.

14. AR-MS1 Mail Bin Stacker
One top tray and seven mail bins
Top tray: max. 250-sheet capacity (A4, 80 gsm)
Mail bins: max. 100-sheet capacity each (A4, 80 gsm)

15. AR-FN6 Finisher
Offset tray (lower): max. 750-sheet capacity (A4, 80 gsm), 30-sheet multi-position staple
Note: Cannot be installed with AR-FN7.

Base Unit

5. AR-D27 Stand with 3 x 500-Sheet Paper Drawers
A3 to B5R, 3 x 500 sheets (80 gsm), 60 to 105 gsm

6. AR-D28 Stand with Multi-Purpose Drawer & 2000-Sheet Paper Drawer
A4, 800 + 1200 sheets (80 gsm), 60 to 105 gsm

7. AR-MU2 500-Sheet Multi-Purpose Paper Drawer
A3 to B5R, 500 sheets (80 gsm), 60 to 105 gsm

8. AR-DK35/W Cabinet for AR-MU2

AR-DK35WINKEL Angle of Cabinet (AR-DK35/W) for Scanner Rack

9. AR-RK2 Scanner Rack

10. MX-EFX1 Scanner Module with DSPF
A3 to A5, 50 sheets (A4, 80 gsm), 50 to 128 gsm

Option for U Models

MX-NBX2 Network Expansion Kit
MX-NBX3 Network Expansion Kit with Hard Disk Drive

AR-PF2 Flash ROM Kit

MX-FRX7U Data Security Kit*
MX-FRX7 Data Security Kit* (Common Criteria validated)
For machines without HDD

Connectivity Board

11. AR-FX12 Fax Expansion Kit
Super G3 fax module

AR-MM9 8MB Fax Memory

MX-FWX1 Internet Fax Expansion Kit

AR-PK6 PS3 Expansion Kit
Enables PostScript printing

AR-PF1 Barcode Font Kit

MX-NSX1 Network Scanner Expansion Kit

Additional Sharpdesk™ licenses:
MX-USX1 x 1 user
MX-USX5 x 5 users
MX-US10 x 10 users
MX-US50 x 50 users
MX-USA0 x 100 users

MX-FRX6U Data Security Kit*
MX-FRX6 Data Security Kit* (Common Criteria validated)
Enables data encryption and erasure; for N models and U models equipped with MX-NBX3

MX-AMX1 Application Integration Module
MX-AMX2 Application Communication Module
MX-AMX3 External Account Module
Enables machine customisation by third-party software developers
Note: These three options require MX-NBX3 when using on U models.

* Available at a later date.
Some options may not be available in some areas.

SPECIFICATIONS

MX-M450U/N
MX-M350U/N
U model: Digital Laser Copier/Printers
N model: Digital Multifunctional Systems

General

Type	Console	
Technology	Laser	
Engine speed (max.)*¹	A4	A3
MX-M450U/N	45 cpm/ppm	20 cpm/ppm
MX-M350U/N	35 cpm/ppm	17 cpm/ppm
Paper size	Max. A3, min. A5R	
Paper weight	60 – 105 gsm	
Paper capacity	Standard: 500 sheets	
	Maximum: 3,100 sheets	
Warm-up time*²	Less than 80 sec.	
Memory	Standard: 128MB	
	Maximum: 384MB	
	40GB HDD*³	
Power requirements	Rated local AC voltage ±10%, 50/60 Hz	
Power consumption (max.)	1.85 kW (220 to 240V)	
Dimensions (W x D x H)		
MX-M450U/N*⁴	1,018 x 665 x 1,127 mm	
MX-M350U/N*⁵	970 x 665 x 1,127 mm	
Weight (approx.)		
MX-M450U/N*⁴	107 kg	
MX-M350U/N*⁵	102 kg	
Features*⁶	Card shot, edge/centre erase, job build, pre-heat/auto power shut-off modes, user control (500 accounts), document filing, toner save mode	

Copier

Original paper size	Max. A3	
First copy out time*⁷	Document glass	DSPF
MX-M450U/N	4.4 sec.	5.3 sec.
MX-M350U/N	4.9 sec.	6.0 sec.
Continuous copy	Max. 999 copies	
Resolution	Scan: 600 x 600 dpi, 600 x 300 dpi	
	Print: 600 x 600 dpi	
Gradation	Scan: 256 levels Print: 2 levels	
Zoom range	25 to 400% (25 to 200% using DSPF) in 1% increments	
Preset copy ratios	10 ratios (5R/5E)	
Features*⁶	Auto paper selection (mixed size feeding), auto magnification selection, paper type selection, auto tray switching, rotation copy, electronic sorting, network tandem copy, book copy, margin shift, dual page copy, multi-shot (4-in-1, 2-in-1), cover/transparency insertion, pamphlet copy, rotation sort*⁸, 2-sided copy orientation change, XY zoom, black & white reverse*⁸, mirror image, duplex copy, reserved copy, 10 job programmes, irregular original/paper size input, stamps (date, page number, text, stamp)	

Network Scanner (optional MX-NSX1 [and MX-NBX2 or NBX3 for U models] required)

Compatibility	TWAIN compliant (push out method)
Resolution	200, 300, 400, 600 dpi
File formats	TIFF, TIFF-FX (TIFF-F), PDF, linearised PDF
Scanner utilities	Sharpdesk™
Scan destinations	Scan to e-mail, desktop, FTP server, network folder (SMB), HDD
Features*6	Internet fax*⁹, PC-Internet fax transmission*⁹, LDAP support, direct entry (address, subject, message), 999 one-touch dials*¹⁰, 500 group dials*¹¹, 8 job programmes, broadcasting, long original scanning (max. 800 mm)

Document Filing (optional MX-NBX3 required for U models)

Document filing capacity	16GB
	Main and custom folders: 20,000 pages*¹² or 3,000 files
	Quick file folder: 10,000 pages*¹² or 1,000 files
Stored jobs	Copy, print, scan*¹³, fax transmission*¹⁴
Storage folders	Quick file folder, main folder, custom folder (max. 500 folders)
Confidential storage	Password protection for main and custom folders

Network Printer (optional MX-NBX2 or NBX3 required for U models)

Resolution	600 x 600 dpi
	600 x 1200 dpi equivalent with smoothing
Interface	USB 2.0
	10Base-T/100Base-TX
Supported OS*¹⁵	Windows NT® 4.0 SP5 or later, Windows Server® 2003, Windows® 98/Me/2000/XP, Windows Vista™, Mac OS 9.0 to 9.2.2, Mac OS X 10.1.5, 10.2.8, 10.3.9, 10.4 to 10.4.8
Network protocols*¹⁵	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), NetBEUI, 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 6/5e
	Option*¹⁶: PS3 emulation
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation*¹⁶
Features*⁶ *¹⁷	Network tandem print, RIP Once/Print Many, job retention (print hold, proof print, confidential print), direct PDF/TIFF printing, carbon copy print, duplex print, printer administration utility and status monitor, IP/MAC address filtering, port/protocol management, font/form download, pamphlet style, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover/chapter insertion, transparency interleave, fit to page, watermarks, offset output, form overlay, auto configuration, barcode font compatibility, SSL and IPsec support

Facsimile (optional AR-FX12 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*¹⁸
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Super Fine (406.4 x 391 dpi)
Recording width	A3 to A5
Memory	Standard 2MB, expandable to 10MB
Grey scale levels	Equivalent to 256 levels
Features*⁶	Duplex transmission/reception, quick on-line transmission, LDAP support, error correction mode, F-Code compatibility (confidential, relay broadcast), 999 one-touch dials*¹⁰, 500 group dials*¹¹, 8 job programmes, broadcasting number registration, polling, memory transmission/reception, auto reduction (transmission/reception), rotation transmission/reception, print actual size, 2-in-1 transmission, long original transmission (max. 800 mm), PC-Fax transmission*¹⁹, timer transmission, paperless faxing with inbound routing to e-mail, activity report, anti-junk fax, dual page scan

Options

Please refer to the Options section on the previous page.

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