

SHARP

MX-M232D MX-M182D

Digital Multifunctional System



Compact and Cost-Effective—
A Network-Capable
Multifunctional Performer

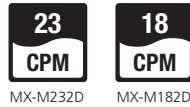


COPY **PRINT** **NETWORK PRINT OPTION** **COLOUR SCAN** **NETWORK COLOUR SCAN OPTION** **SHARPEDESK** **FAX OPTION**

COPYING

Speedy Copying and Quick First Copy Time

The MX-M232D has a quick first copy time of **5.9 seconds** (7.2 seconds for the MX-M182D) to save valuable time when performing multiple short-run jobs. With a continuous copy rate of **23/18 cpm**, you can do more copy jobs in less time.



Electronic Sorting and Offset Stacking

The MX-M232D/M182D's Scan Once/Print Many (SOPM) function does one scan of multiple-page documents and stores them in memory for making up to **999 copies** of each page. The Electronic Sorting function then **automatically collates** multiple sets of copies in page order without the aid of a sorter. The MFD also stacks each set slightly shifted apart from the previous (**offset stacking**) for easy retrieval. All this adds up to speedy copying that boosts productivity even for large-volume documents.

Large Paper Capacity

The MX-M232D comes standard with two 250-sheet paper trays (one 250-sheet tray for the M182D) and a 100-sheet multi-bypass feeder. Two types of extra paper drawers are available for a total paper capacity of up to **1,100 sheets**.

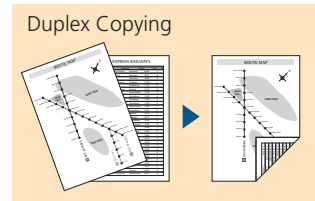


Superb Image Quality

600-dpi resolution and 256-level greyscale ensure finely detailed reproduction, while **Digital Auto Exposure Control** provides optimum copy contrast. For the best results, users can select **Text mode** for text-only originals or **Photo mode** that gives detailed, high-quality reproduction of photos and delicate halftone images.

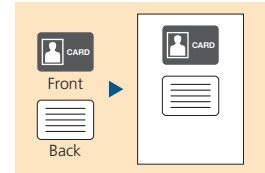
Built-in Duplex Module and Optional RSPF

The MX-M232D/M182D can automatically produce **duplex copies** from one or two-sided originals. This reduces paper costs and helps save filing space. Duplex copying is even more productive when the duplex module is used together with the **optional RSPF** (reversing single pass feeder), which efficiently feeds in up to **40 pages** of either one or two-sided originals. A **40-sheet SPF** (single pass feeder) is also available for feeding in one-sided originals.



ID Card Copy

This function enables easy copying of both sides of a card (ID cards, credit cards, etc.) onto a single page.



Versatile Editing Functions

A variety of image editing functions, such as margin shift, 2-in-1, 4-in-1, and edge/centre erase, make copying more convenient.

Other Key Features

- Wide zoom range from 25% to 400% with 10 preset ratios
- Cost-efficient Toner Save mode
- Pre-Heat and Auto Power Shut-Off modes
- Copy/print/scan user control (50 accounts total)
- Automatic paper/magnification selection
- Highly reliable paper feed system minimises paper jams
- Fast warm-up time of **25 seconds** saves valuable time
- Energy-efficient; certified for ENERGY STAR®

FAXING (option)

High-Speed Operation

The MX-FX13 Fax Expansion Kit turns the MX-M232D/M182D into a 33.6 Kbps **Super G3 fax** machine. Using JBIG compression technology, the MFD can send an A4 size page in under 3 seconds. Use the optional RSPF to further boost faxing efficiency. Additionally, **Quick On-Line Transmission** can start dialling and transmitting as soon as the first page is scanned into memory, you can send documents in even less time.



Inbound Routing for Transfer to E-Mail

This function allows you to check incoming faxes before printing them out by transferring them (as PDF attachments) to a designated e-mail address.

Duplex Transmission and Reception

With the optional RSPF, the MX-M232D/M182D scans both pages of two-sided documents and sorts them in memory. The pages are then transmitted in the proper order. Thanks to the built-in duplex module, the MX-M232D/M182D can also print incoming faxes onto both sides of paper, thus saving you paper costs

Other Key Features

- Memory transmission/reception
 - Rapid and group dials (50 in total), 300 one-touch dials
 - Long originals up to 800 mm can be sent using RSPF
- (Note: Duplex transmission not possible)

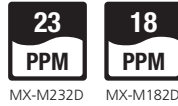


(MX-M232D/M182D shown with fax option)

PRINTING

Speedy Printing with Sharp Technology

The MX-M232D/M182D is a high-performance printer incorporating Sharp Printer Language with Compression (**SPLC**) technology. SPLC effectively reduces the data size of print jobs, speeding up the data transfer time and printing process while improving overall throughput. Also, the **RIP Once/Print Many (ROPM)** function saves print data in the MFD's internal memory and transfers it to output at a quick rate of **23/18 ppm** in 600-dpi resolution.



Print Status Display

A **Print Status Window** allows you to monitor important printer information on your PC, including on-line/off-line status, name of the active print job, and machine conditions such as amount of paper or toner. Adding the optional MX-NB12 Network Expansion Kit makes an upgraded, enhanced **Printer Status Monitor** available.

Other Key Features

- USB 2.0 port
- Duplex printing saves paper and filing space
- N-up (2/4/6)*, Fit to Page, Watermarks
* N-up (2/4/6/8/9/16) with optional MX-NB12
- Job Separator (requires optional MX-TR10)

COLOUR SCANNING

Full-Colour A3 Scanning

The MX-M232D/M182D lets you easily scan colour originals up to A3 in size in 600 x 600 dpi resolution and use them to create vivid, impressive colour documents or presentation materials. The optional RSPF or SPF gives efficient multi-page document scanning.

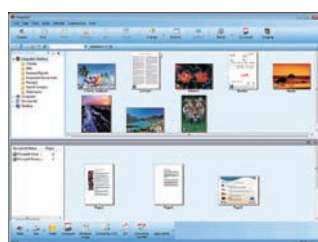
Push and Pull Scanning

Operation is quick and easy—simply press the Scan button, select an application, and press Start (push scan). Up to six pre-registered applications are available, including Sharpdesk, e-mail, Microsoft® Word, OCR, and fax. **Button Manager** allows you to change/assign these destination applications and scan settings. With support for the **TWAIN** standard, the MX-M232D/M182D lets you import scanned images to a commercially available TWAIN-compliant application (pull scan).

Sharpdesk

Sharpdesk is an original Sharp application that provides integrated desktop management of documents in over **200 file formats**. Once you scan documents and images, or drag-and-drop existing files on your PC into Sharpdesk, you can view their thumbnail images and organise, edit, and share your documents right on your PC desktop.

Sharpdesk Composer combines different types of files into a single document.



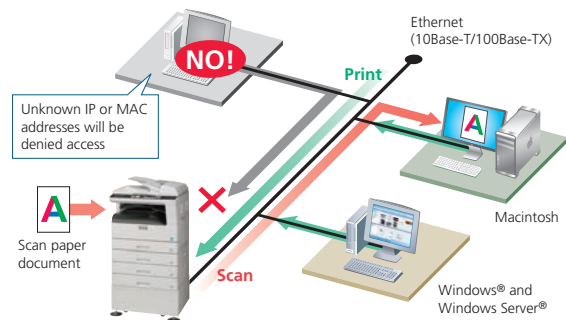
Sharpdesk screen

Network Printing (option)

Secure Network Printing

Through its support of the TCP/IP network protocol, the optional MX-NB12 Network Expansion Kit turns the MX-M232D/M182D into a powerful network printer. With its **IP/MAC address filtering** function, only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MFD. **SSL** (secure sockets layer) encryption prevents data leakage through the network when printing, browsing secure Web pages (HTTPS), or communicating via e-mail (SMTP and POP3), LDAP server (LDAPS), or FTP (FTPS). The MX-NB12 also supports **PCL** and **PostScript*** page description languages.

* Optional MX-PK10 PS3 Expansion Kit required.

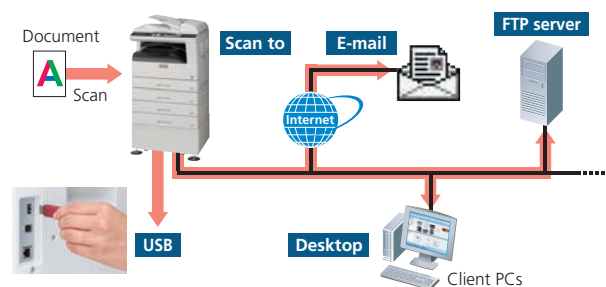


Full-Colour Network Scanning (option)

Multiple Distribution of Scanned Files

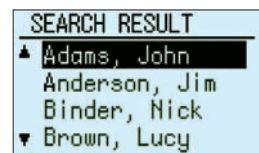
The optional MX-NB12 Network Expansion Kit turns the MX-M232D/M182D into a convenient full-colour network scanner. With the touch of a few buttons, you can choose different ways to distribute your scanned documents. **Scan to E-mail** sends documents as an e-mail attachment. **Scan to FTP Server** scans documents directly to an FTP server for storage. **Scan to Desktop** sends scanned documents directly to your PC desktop*. **Scan to USB Memory** scans documents directly to USB memory devices.

* Sharpdesk must be installed on the PC.



LDAP Support

The MX-NB12 provides the MX-M232D/M182D with LDAP (lightweight directory access protocol) support, which eliminates the need to enter or register an entire e-mail address. Simply select Global Address from the LCD control panel, enter the first few letters of the recipient's name, and the MFD displays a list of possible matches from names and e-mail addresses on your company's LDAP server. After searching, addresses can be stored on the MFD for easy access.



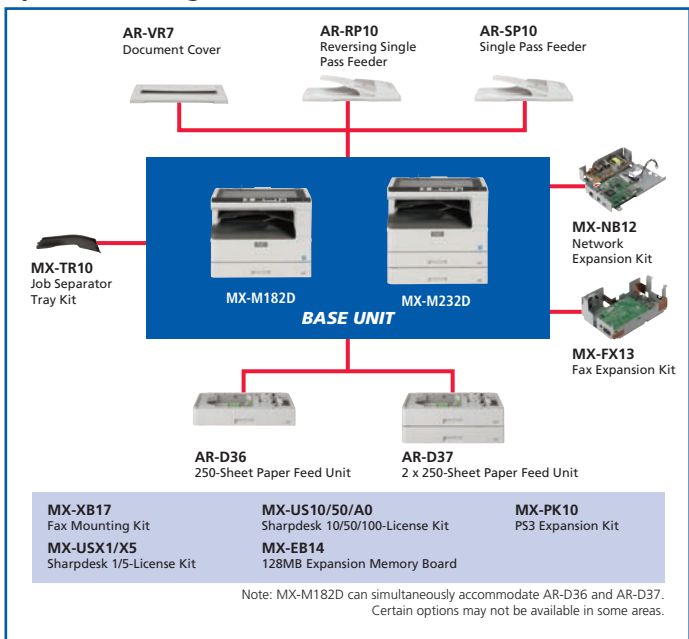
SPECIFICATIONS

General	
Type	Desktop
Engine speed	Max. 23/18 cpm/ppm (A4)
Paper size	Max. A3, min. A6
Paper capacity (80 g/m ²)	MX-M232D: 600 sheets (250 x 2 + 100), max. 1,100 sheets MX-M182D: 350 sheets (250 x 1 + 100), max. 1,100 sheets
Warm-up time*1	25 seconds or less
Memory	128MB, max. 256MB
Power requirements	230-240V AC, 50/60 Hz
Power consumption (max.)	1.2 kW
Dimensions (W x D x H)*2	MX-M232D: 591 x 573 x 595 mm MX-M182D: 591 x 573 x 495 mm
Weight (approx.)*2	MX-M232D: 35 kg MX-M182D: 29.6 kg
Features	Toner save mode, pre-heat/auto power shut-off modes, copy/print/scan user control*3 (50 accounts total)

Copier	
Original paper size	Max. A3
First copy time*4	MX-M232D: 5.9 sec. MX-M182D: 7.2 sec.
Continuous copy	Max. 999 copies
Resolution	600 x 600 dpi
Gradation	Scan: 256 levels Print: 2 levels
Zoom range	25% to 400% (50% to 200% using RSPF/SPF) in 1% increments
Preset copy ratios	10 ratios (5 reduction + 5 enlargement)
Features	Auto paper selection, auto magnification selection, auto tray switching, rotation copy, Scan Once/Print Many, electronic sorting, original paper size input, 2-sided copy orientation change*5, margin shift, XY zoom, edge/centre erase, dual page copy, interrupt, stream feeding, multi-shot (4-in-1, 2-in-1), ID card copy, duplex copy*5, offset stack

Printer	
Resolution	600 x 600 dpi
Interface	USB 2.0
Supported OS	Windows® 2000/XP, Windows Vista®, Windows® 7
PDL (emulation)	SPLC (Sharp Printer Language with Compression)
Features	RIP Once/Print Many, duplex print*5, N-up (2/4/6), fit to page, image orientation, auto paper selection, rotation print, output tray selection, image adjustment, pure black and white, watermarks, status window, offset print

System Configuration



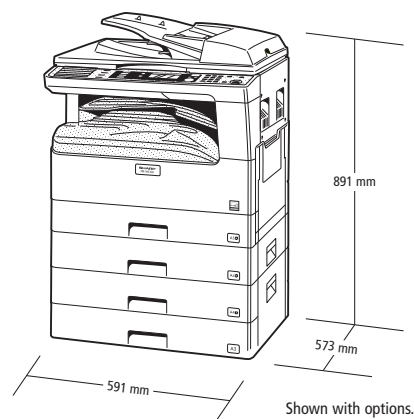
Colour Scanner	
Scan method	Push scan (via control panel), pull scan (TWAIN-compliant application)
Resolution	Push scan: 75, 100, 150, 200, 300, 400, 600 dpi Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 to 9,600 dpi via user setting
Interface	USB 2.0
Supported OS	Windows® 2000/XP, Windows Vista®, Windows® 7
Scanner utilities	Button Manager, Sharpdesk

Network Printing/Scanning (optional MX-NB12 required)	
Network interface	10Base-T/100Base-TX, USB 2.0
Supported OS*6	Windows® 2000/XP, Windows Server® 2003/2008, Windows Vista®, Windows® 7, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 to 10.5.8, 10.6 to 10.6.4
PDL (emulation)	PCL 6 emulation, PS3 emulation*7
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation*7
Network protocols	Printing: TCP/IP Scanning: TCP/IP, SMTP, LDAP, FTP
File formats	PDF, TIFF, JPEG
Print resolution	600 dpi, 300 dpi*8
Scan resolution	75, 100, 150, 200, 300, 400, 600 dpi
Memory	256MB
Features*9	Sharp Remote Device Manager*10, printer status monitor, LDAP support, IP/MAC address filtering, port/protocol management, N-up (2/4/6/8/9/16), network scan (scan to e-mail/FTP server/desktop/USB memory), SSL (secure sockets layer) for secure network communications

Facsimile (optional MX-FX13 required)	
Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*11
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	16MB
Grey scale levels	Equivalent to 256 levels
Features	Rapid and group dials (50 in total), 300 one-touch dials, 9 job programmes, broadcasting (200 destinations), polling, memory transmission/reception, quick on-line transmission, auto reduction (transmission/reception), rotation transmission/reception, long original transmission (max. 800 mm), divided reception, timer transmission, F-Code compatibility (confidential, relay broadcast), duplex transmission/reception*5, PC-Fax transmission, activity report, anti-junk fax, inbound routing to e-mail

*1: At rated voltage, 23°C. May vary depending on operating conditions and environment. *2: Dimensions and weight include two paper trays for MX-M232D, one paper tray for MX-M182D. *3: Optional MX-NB12 required for print/scan user control. *4: When feeding A4 sheets from top paper tray. May vary depending on operating conditions and environment. *5: Available on MX-M232D/M182D. *6: Sharpdesk cannot be used on computers running Windows® 2000. TWAIN is not supported by computers running Windows Server® 2003/2008. *7: Optional MX-PK10 required for PostScript printing. *8: 300 dpi can be selected only when using the PCL6 printer driver. *9: Some features are not available according to the printer driver used. *10: To be available in spring 2012. *11: Based on an A4 document with approx. 700 characters at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

- Design and specifications are subject to change without prior notice.
- Colour variations to products may occur due to printing.
- Some features require Optional items. Please consult with an authorised Sharp Reseller for details.
- All information and technical details are correct as at machine release date.
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SHARP CORPORATION OF AUSTRALIA PTY LTD
 ABN 40 003 039 405
 1 Huntingwood Drive, Huntingwood NSW 2148
 P.O. Box 6827, Blacktown, NSW 2148
 Tel: (02) 9830 4600 Fax: (02) 9672 1208
 www.sharp.net.au

SHARP CORPORATION OF NEW ZEALAND LTD
 59 Hugo Johnston Drive
 P.O. Box 12244, Penrose, Auckland
 Tel: (09) 573 0111 Fax: (09) 573 0112
 www.sharp.net.nz