

# SHARP

MX-M232D  
MX-M202D  
MX-M182D  
MX-M182

Digital Multifunctional System



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



MX-M232D

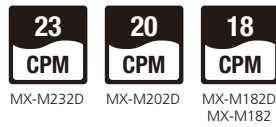


COPY PRINT NETWORK PRINT OPTION COLOUR SCAN NETWORK COLOUR SCAN OPTION SHARPLESK FAX OPTION

## 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-M202D/M182D/M182) to save valuable time when performing multiple short-run jobs. And with a continuous copy rate of **23/20/18/18 cpm**, you can do more copy jobs in less time.



### Electronic Sorting and Offset Stacking

The MX-M232D/M202D/M182D/M182'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 MFP 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/M202D comes standard with two 250-sheet paper trays (one 250-sheet tray for the M182D/M182) 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**.



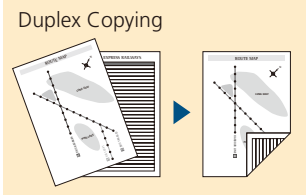
### Superb Image Quality

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

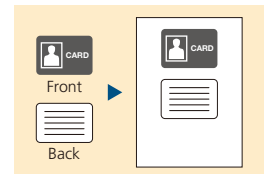
The MX-M232D/M202D/M182D can automatically produce **duplex copies** from one- or two-sided originals. This reduces paper costs and helps save filing space. Duplex copying is even more productive when the duplex module is used together with the **optional RSPF** (reversing single pass feeder), which 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.

\* Available on MX-M232D/M202D/M182D.



### 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; compliant with ENERGY STAR®

## FAXING (option)

### High-Speed Operation

The MX-FX13 Fax Expansion Kit turns the MX-M232D/M202D/M182D/M182 into a 33.6 Kbps **Super G3 fax** machine. Using JBIG compression technology, the MFP can send an A4 (8 1/2" x 11") size page in under 3 seconds. Use the optional RSPF to further boost faxing efficiency. And because **Quick On-Line Transmission** can start dialling and transmitting as soon as the first page is scanned into memory, you can send documents in much 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/M202D/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/M202D/M182D can also print incoming faxes onto both sides of paper, thus saving you paper costs

\* Available on MX-M232D/M202D/M182D.

### 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)

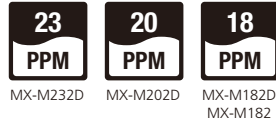


(MX-M232D/M202D/M182D shown with fax option)

## PRINTING

### Speedy Printing with Sharp Technology

The MX-M232D/M202D/M182D/M182 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 MFP's internal memory and transfers it to output at a quick rate of **23/20/18/18 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 (available on MX-M232D/M202D/M182D)
- 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/M202D/M182D/M182 lets you easily scan colour originals up to A3 (11" x 17") 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.

\* Available on MX-M232D/M202D/M182D.

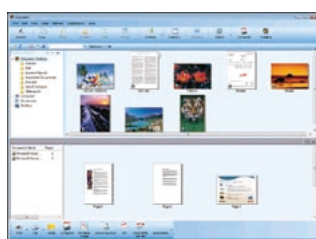
### Push and Pull Scanning

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/M202D/M182D/M182 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. And **Sharpdesk Composer** combines different types of files into a single document.



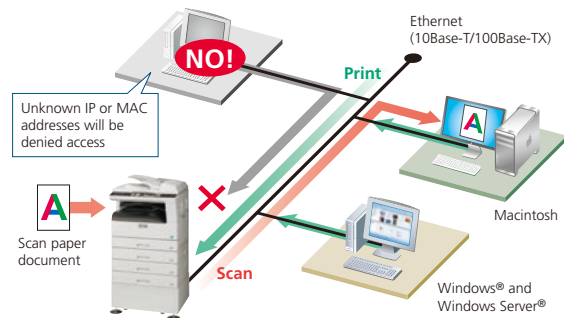
Sharpdesk screen

## 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/M202D/M182D/M182 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 MFP. And **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.

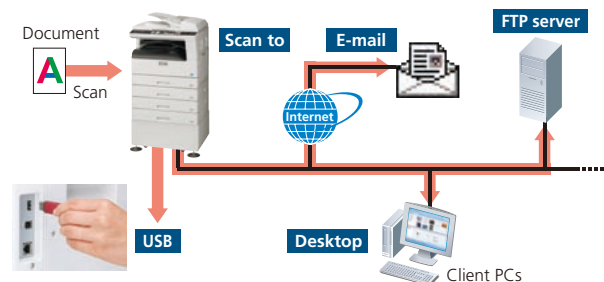


## Full-Colour Network Scanning (option)

### Multiple Distribution of Scanned Files

The optional MX-NB12 Network Expansion Kit turns the MX-M232D/M202D/M182D/M182 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\*. And **Scan to USB Memory** scans documents directly to USB memory devices.

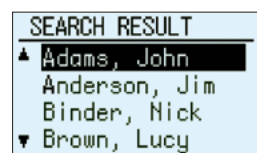
\* Sharpdesk must be installed on the PC.



### LDAP Support

The MX-NB12 provides the MX-M232D/M202D/M182D/M182 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 MFP 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 MFP for easy access.





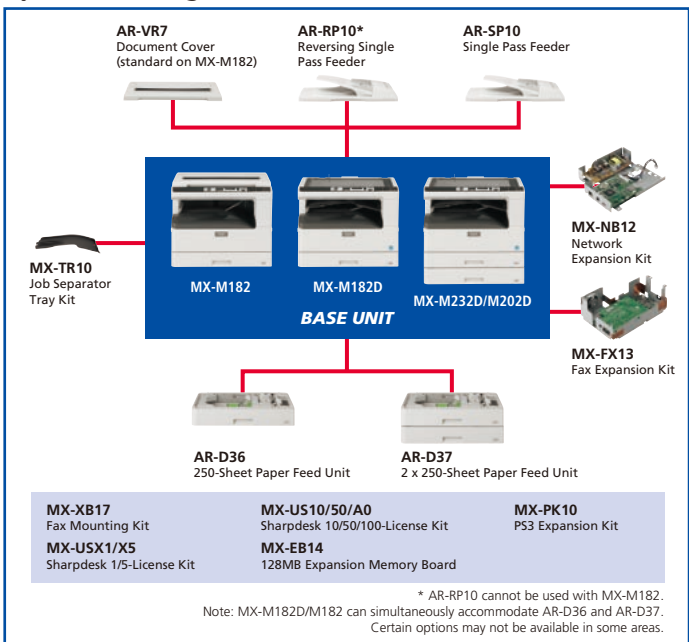
**SPECIFICATIONS (tentative)**

General	
Type	Desktop
Engine speed	Max. 23/20/18/18 cpm/ppm (A4, 8 1/2" x 11")
Paper size	Max. A3 (11" x 17"), min. A6 (5 1/2" x 8 1/2")
Paper capacity	MX-M232D/M202D: 600 sheets (250 x 2 + 100), max. 1,100 sheets MX-M182D/M182: 350 sheets (250 x 1 + 100), max. 1,100 sheets
Warm-up time*1	25 seconds or less
Memory	128MB, max. 256MB
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.2 kW
Dimensions (W x D x H)*2	MX-M232D: 591 x 573 x 595 mm (23 17/64" x 22 9/16" x 23 27/64") MX-M202D: 591 x 573 x 595 mm (23 17/64" x 22 9/16" x 23 27/64") MX-M182D: 591 x 573 x 495 mm (23 17/64" x 22 9/16" x 19 31/64") MX-M182: 591 x 573 x 495 mm (23 17/64" x 22 9/16" x 19 31/64")
Weight (approx.)*2	MX-M232D: 35 kg (77.2 lbs) MX-M202D: 35 kg (77.2 lbs) MX-M182D: 29.6 kg (65.3 lbs) MX-M182: 29.4 kg (64.8 lbs)
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 (11" x 17")
First copy time*4	MX-M232D: 5.9 sec. MX-M202D/M182D/M182: 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 PCL 6 emulation, PS3 emulation*7
PDL (emulation)	80 fonts for PCL, 136 fonts for PS3 emulation*7
Available fonts	Printing: TCP/IP
Network protocols	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 and MX-XB17*11 required)	
Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*12
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 (11" x 17" to 5 1/2" x 8 1/2")
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 (73.4°F). May vary depending on operating conditions and environment. \*2: Dimensions and weight include two paper trays for MX-M232D/M202D, one paper tray for MX-M182D, and document cover and one paper tray for MX-M182. \*3: Optional MX-NB12 required for print/scan user control. \*4: When feeding A4 (8 1/2" x 11") sheets from top paper tray. May vary depending on operating conditions and environment. \*5: Available on MX-M232D/M202D/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: MX-XB17 is not required if MX-NB12 is installed. \*12: Based on an A4 document with approx. 700 characters at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

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