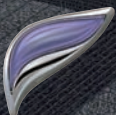


SHARP

MX-M200D MX-M160D

Digital Multifunction System

A Four-Function Advantage That Begins with Colour Scanning



COPY

PRINT

NETWORK PRINT
OPTION

COLOUR SCAN

NETWORK COLOUR SCAN
OPTION

SHARPEDESK

FAX
OPTION

The all-in-one way to meet everyday document needs

Thanks to Sharp, just one powerful document solution is all you need to keep pace with today's high-speed, graphic-intensive business communications. The compact, user-friendly MX-M200D/M160D delivers ultra-efficient copying/printing, brilliant colour scanning, and optional Super G3 faxing to boost productivity while covering all your basic office needs. Plus, adding powerful network printing and full-colour network scanning options gives the MX-M200D/M160D the functionality to grow along with your business.

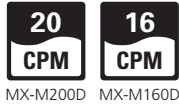




COPYING

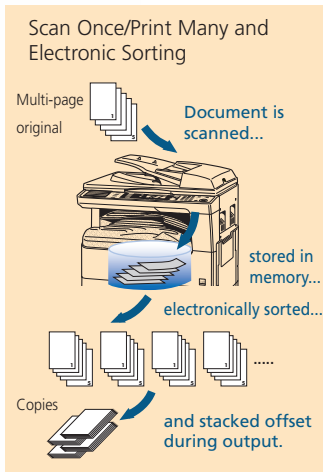
Speedy Copying and Quick First Copy Time

The MX-M200D/M160D has a quick first copy time of **7.2 seconds*** to save valuable time when performing multiple short-run jobs. With a continuous copy rate of **20/16 cpm** (A4 size), you can do more copy jobs in less time.



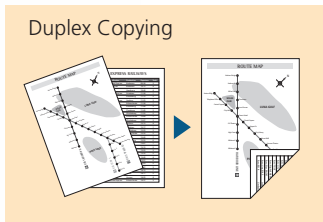
Scan Once/Print Many and Electronic Sorting

The MX-M200D/M160D'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 MX-M200D/M160D 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.



Built-in Duplex Module and Optional RSPF

The MX-M200D/M160D 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 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.



Paper Capacity

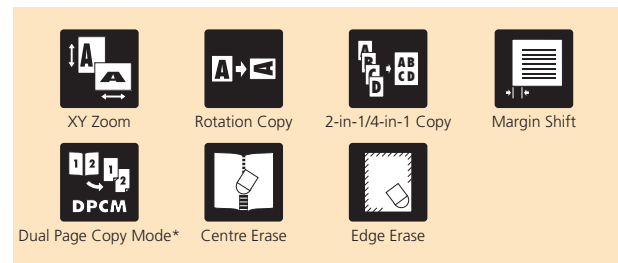
The MX-M200D comes standard with two 250-sheet paper trays (one 250-sheet tray for the MX-M160D) and a 100-sheet multi-bypass feeder. Two types of extra paper drawers are available for a total paper capacity of up to **1,100 sheets**.

MAX 1,100 Sheets



Versatile Editing Functions

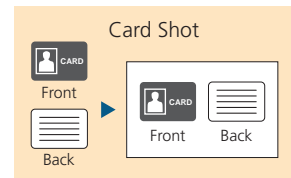
The MX-M200D/M160D is standard equipped with various image editing functions that make copying more convenient.



* Not available when using RSPF or SPF.

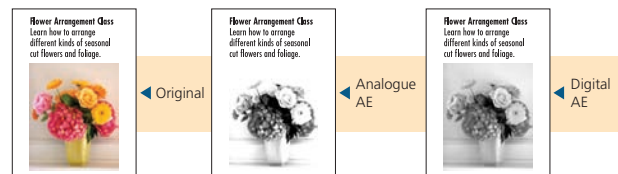
Card Shot

This function enables one-touch scanning and copying of both sides of a card (credit cards, ID cards, etc.) onto a single page. Note: Not available when using RSPF or SPF.



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.



Other Key Features

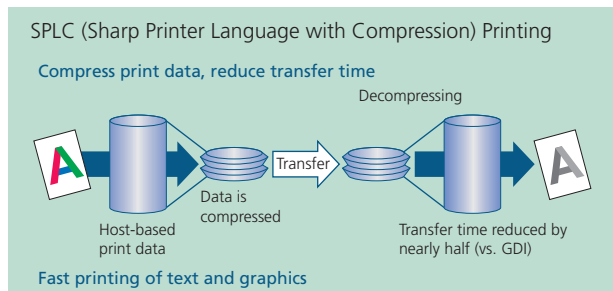
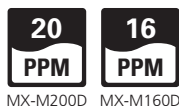
- Wide zoom range from **25% to 400%** with 10 preset ratios
- Cost-efficient Toner Save mode
- Copy/print/scan user control (50 accounts total)
- Automatic paper/magnification selection



PRINTING

Speedy Printing with Sharp Technology

The MX-M200D/M160D 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. The **RIP Once/Print Many (ROPM)** function saves print data in the MX-M200D/M160D's internal memory and transfers it to output at a quick rate of **20/16 ppm** (A4 size) in 600 dpi resolution.

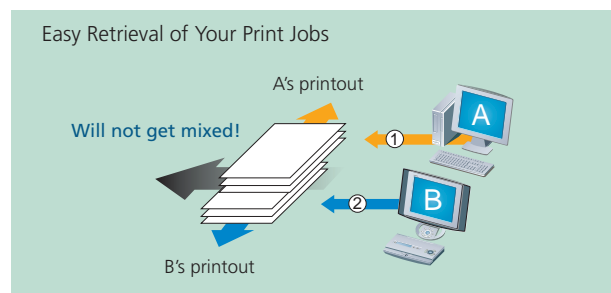


Duplex Printing

Efficient and economical document creation is yours with the MX-M200D/M160D. Doing away with bulky files, duplex printing halves filing space and paper costs.

Job Offset and Job Separator

The MX-M200D/M160D ensures your documents will stay neatly organised even when others are sharing the machine. To make it easier to locate and retrieve your documents from the tray, the MX-M200D/M160D's **Job Offset** function stacks each print job slightly shifted apart from one another. In addition, the optional MX-TR10 **Job Separator Tray Kit** lets you send printer output to the Job Separator tray or beneath it, preventing your job from getting mixed in with copies and faxes.



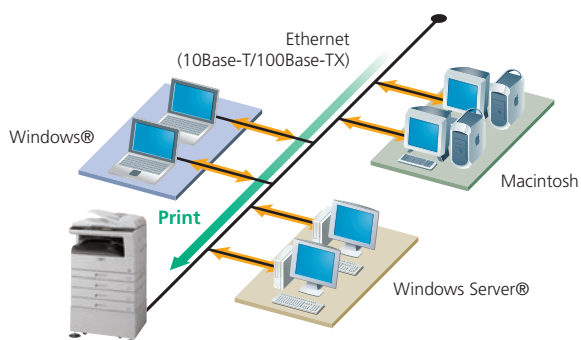
Other Key Features

- N-up, Fit-to-Page, watermarks
- Printer status window
- USB 2.0 port

NETWORK PRINTING (option)

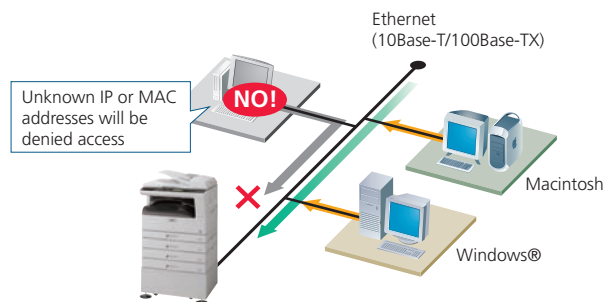
Powerful Network Printing

The MX-M200D/M160D supports popular network protocols including TCP/IP and IPX/SPX. The optional MX-NB10 Network Printing/Scanning Expansion Kit allows easy printer sharing through your office network. The MX-NB10 also gives you **PCL 6/5e** printer language emulations. For compatibility with more fonts and better graphics handling, **PostScript 3** emulation is available with the optional MX-PK10 PS3 Expansion Kit.



IP/MAC Address Filtering for Security

The MX-NB10's IP/MAC address filtering function provides highly secure operation by restricting access to the MX-M200D/M160D 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-M200D/M160D. Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use.



Other Key Features

- Barcode font compatibility (requires AR-PF1)
- PDF/TIFF direct printing (PDF direct printing requires MX-PK10)

COLOUR SCANNING



A3 Full-Colour Scanning

The MX-M200D/M160D lets you easily scan colour originals in **600 x 600 dpi** resolution and use them to create vivid, impressive colour documents or presentation materials. The optional 40-sheet RSPF or SPF gives efficient multi-page document scanning.

Push and Pull Scanning

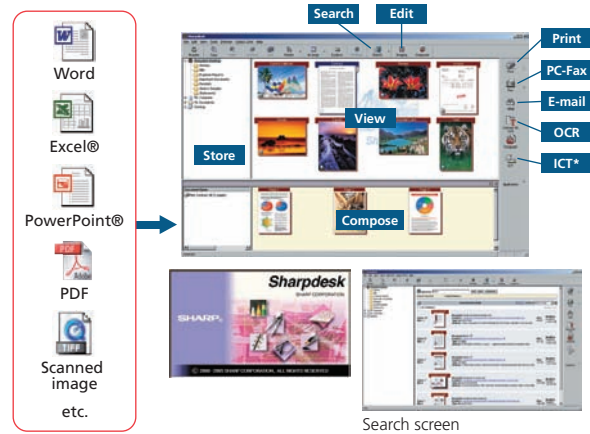
Operation is quick and easy — simply press the Scan button, select an application, and press Start (**push scan**). Up to six pre-registered applications are available, including Sharpdesk, e-mail*, Microsoft® Word*, OCR*, and fax*. **Button Manager** software allows you to change/assign these destination applications and scan settings. The MX-M200D/M160D's scanner driver is also compatible with the **TWAIN** standard, allowing it to be used with various TWAIN-compliant applications (**pull scan**).

* These applications require additional software.

Sharpdesk for Total Document Management

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

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



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

FULL-COLOUR NETWORK SCANNING (option)

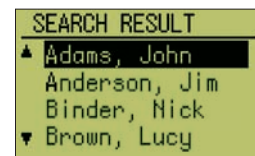
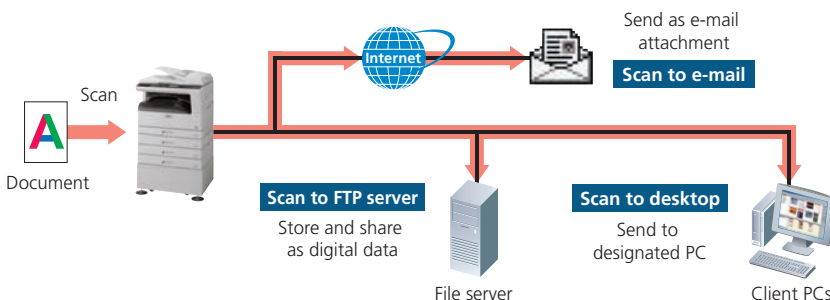
Scan to Desktop, E-Mail, or FTP Server

The optional MX-NB10 Network Printing/Scanning Expansion Kit turns the MX-M200D/M160D into a convenient full-colour network scanner. As easy as making a copy, you can send scanned images anywhere over the network. Scanned files can be forwarded directly to your PC* (scan to desktop), sent as an attachment to any e-mail address over the Internet (scan to e-mail), or stored on a file server where they can be easily accessed from any PC on the network (scan to FTP server).

* Network Scanner Tool and Sharpdesk must be installed on the PC.

LDAP Support

The MX-NB10 provides the MX-M200D/M160D 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 MX-M200D/M160D displays a list of possible matches from names and e-mail addresses on your company's LDAP server. This feature saves precious time and prevents errors when typing e-mail addresses.



LDAP search results



FAXING (option)

High-Speed Operation

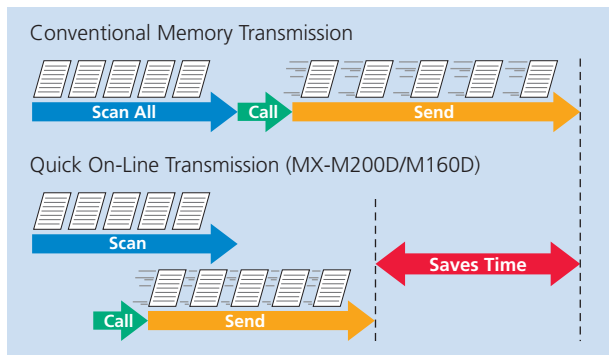
The MX-FX10 Fax Expansion Kit turns the MX-M200D/M160D into a **Super G3 fax** machine featuring a fast modem speed of 33.6 Kbps. Using JBIG data compression, the MX-M200D/M160D can send an A4 size page in under 3 seconds*1. When used with the optional 40-sheet RSPF, your faxing jobs become even more efficient.



*1: Based on an A4 document with approx. 700 characters at standard resolution.

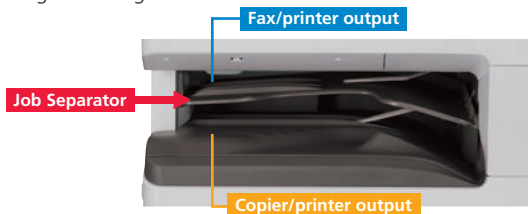
Quick On-Line Transmission

The MX-M200D/M160D starts dialling and transmitting a multi-page document as soon as the first page is scanned into memory. This greatly reduces the overall time it takes to send the document.



Job Separator

With the optional MX-TR10 Job Separator Tray Kit installed, you can do copy jobs while receiving incoming faxes without them getting mixed together.



Note: Output destinations can be designated, placing fax or printer output onto the Job Separator tray (max. 100 sheets) and copier or printer output onto the bottom tray (max. 150 sheets).

Duplex Transmission and Reception

With the optional RSPF, the MX-M200D/M160D 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-M200D/M160D can also print incoming faxes onto both sides of the paper, thus saving you paper costs.

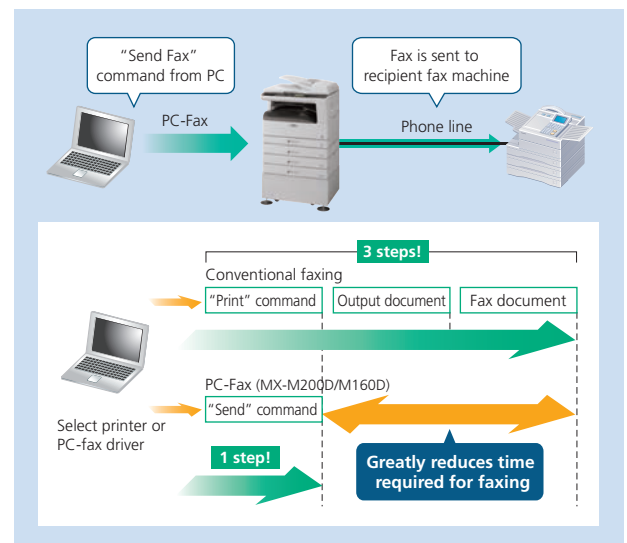
Auto Dialling

The MX-M200D/M160D stores up to **50** frequently called numbers (including Group dials) for instant one-touch Rapid Dial connections and up to **300** numbers for three-digit Speed Dialling.

PC-Fax Transmission*

A PC-Fax function allows you to directly send a document created on your PC to a recipient's fax machine via the MX-M200D/M160D. Since all faxing procedures are done on your PC without printing to paper, this function saves time, increases faxing productivity, and retains original document quality.

* Requires optional MX-FX10.



Other Key Features

- **F-Code Communication** enables confidential communication, relay request transmission, and memory polling with fax machines from other brands that conform to the ITU-T F-Code (sub-address and pass code) standard
- **Automatic Reduction** automatically reduces the size of the document being sent or received to fit the paper size of the recipient machine or the MX-M200D/M160D
- **Memory Transmission/Reception** stores documents in memory, allowing the originals to be returned to the user quickly and saving incoming faxes in memory if the MX-M200D/M160D runs out of paper or toner
- **Timer Transmission** enables unattended after-hours operation when reduced phone rates are in effect
- **Polling** allows the user to retrieve a document left in the feeder of a remote fax machine
- **Long originals** (up to 800 mm long) can be sent using the RSPF/SPF
- **Broadcast** faxing to up to 200 locations
- **Programme keys** (up to 9 keys) are available to set up frequently used transmissions for instant recall
- **Rotation Reception/Transmission** rotates incoming or outgoing faxes to match the direction of the printing paper size
- **Divided Reception** prints out long-length faxes onto separate sheets of paper

ENVIRONMENT & USER-FRIENDLY

Environment Friendly

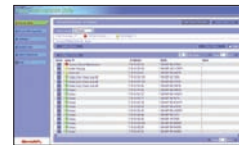
- The MX-M200D/M160D conforms to the **Energy Star** programme, an international system identifying energy-efficient products.
- The MX-M200D/M160D has two levels of **energy-saving modes** to reduce or shut off electricity after a period of inactivity.
- The MX-M200D/M160D conforms to standards set for the Nordic Swan and Blue Angel European environmental labels.
- In **support of the RoHS directive**, which restricts the use of hazardous substances, Sharp has fully eliminated harmful lead and chromium in all MX-M200D/M160D parts and materials.

Control Panel

The MX-M200D/M160D's control panel features an easy-to-read 5-line LCD and is created under a **universal design** concept, making it easy for everyone to use.

Network Utility Software

Sharp's original **Printer Administration Utility** software makes printer networks easier to manage by allowing network administrators to customise monitored items and view settings such as the IP address directly from their PC. With the **Printer Status Monitor**, network PC screens can display printer conditions, such as toner levels and whether there is any paper remaining.



Web-based PAU 4.0

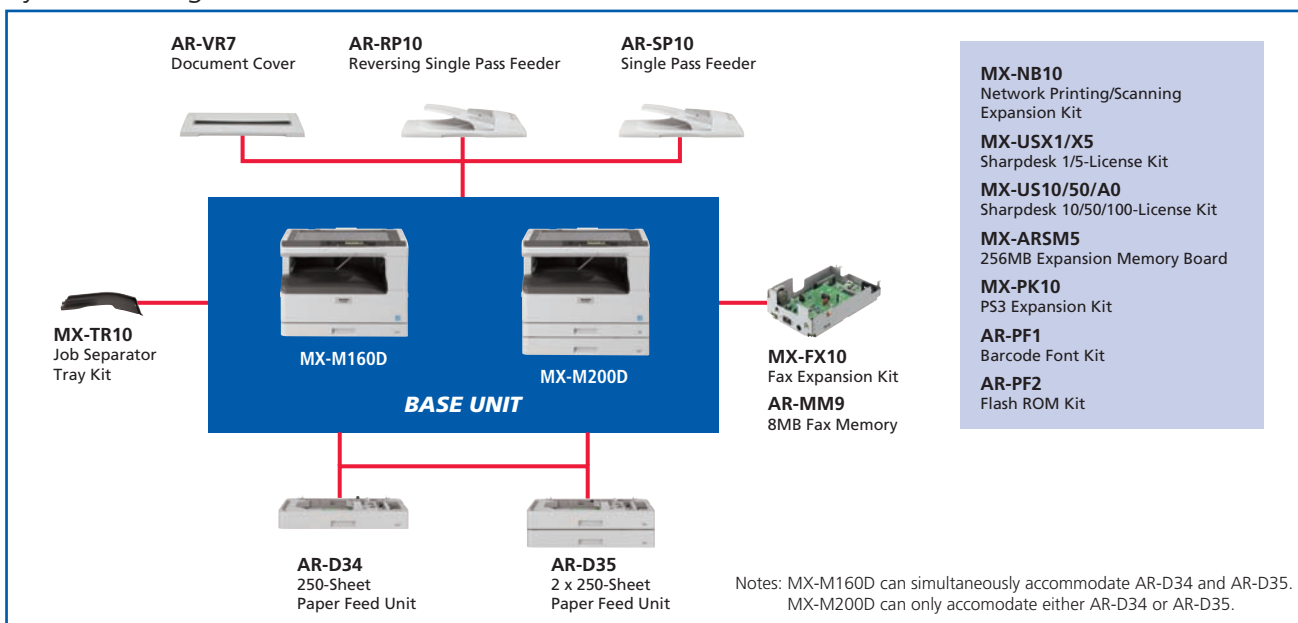


Printer Status Monitor



(for MX-M200D/M160D, when equipped with fax option)

System Configuration



- MX-NB10** Network Printing/Scanning Expansion Kit
- MX-USX1/X5** Sharpdesk 1/5-License Kit
- MX-US10/50/A0** Sharpdesk 10/50/100-License Kit
- MX-ARSM5** 256MB Expansion Memory Board
- MX-PK10** PS3 Expansion Kit
- AR-PF1** Barcode Font Kit
- AR-PF2** Flash ROM Kit

SPECIFICATIONS

General

Type	Desktop
Engine speed	Max. 20/16 cpm/ppm (A4)
Paper size	Max. A3, min. A6
Paper capacity (80 g/m ²)	MX-M200D: 600 sheets (250 x 2 + 100), max. 1,100 sheets
Paper weight	MX-M160D: 350 sheets (250 + 100), max. 1,100 sheets
	Tray: 56 g/m ² to 90 g/m ²
	Multi-bypass tray: 56 g/m ² to 200 g/m ²
Warm-up time	Less than 45 sec.
Memory	MX-M200D/M160D: 48MB (shared)
	Optional memory: 256MB (MX-ARSM5)
Power requirements	230 - 240V AC, 50/60 Hz
Power consumption (max.)	1.2 kW
Dimensions (W x D x H)*1	MX-M200D: 590 x 574 x 522 mm
	MX-M160D: 590 x 574 x 437 mm
Weight (approx.)*1	MX-M200D: 33.0 kg
	MX-M160D: 28.1 kg
Features	Toner save mode, pre-heat/auto power shut-off modes, copy/print/scan user control*2 (50 accounts total)

Copier

Original paper size	Max. A3
First copy time*3	7.2 sec.
Continuous copy	Max. 999 copies
Resolution	Scan: 600 x 600 dpi (Photo mode), 600 x 300 dpi (Auto/Text mode)
	Print: 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, margin shift, XY zoom, edge/centre erase, dual page copy, interrupt, stream feeding, multi-shot (4-in-1, 2-in-1), card shot, duplex copy, offset stack

Printer

Resolution	600 x 600 dpi
Interface	USB 2.0
Supported OS	Windows® 2000/XP, Windows Vista®
PDL (emulation)	Standard: SPLC (Sharp Printer Language with Compression)
	Option*4: PCL 6/5e emulation, PS3 emulation
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation
Features	RIP Once/Print Many, duplex print, 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

* 1 : Dimensions and weight include two paper trays for MX-M200D and one paper tray for MX-M160D.
 * 2 : Optional MX-NB10 required for print/scan user control.
 * 3 : When feeding A4 sheets from top paper tray, polygon motor running.
 * 4 : Optional MX-NB10 required. Optional MX-PK10 also required for PostScript printing.
 * 5 : Scan resolution varies according to the amount of memory installed.
 * 6 : Optional MX-PK10 required for Mac OS and EtherTalk.
 * 7 : Print driver will be available at a later date.
 * 8 : 300 dpi can be selected only when using the PCL6 or PCL5e printer driver.
 * 9 : Some features require options.
 * 10 : 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.
- Windows, Windows NT, Windows Server, and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries. All other brand names and product names may be trademarks or registered trademarks of their respective owners.
- The Energy Star logo is a certification mark and may only be used to certify products that have been determined to meet the Energy Star programme requirements. Energy Star is a US registered mark. The Energy Star guidelines apply to products only in the US, Europe, Australia, New Zealand, and Japan.

Colour Scanner

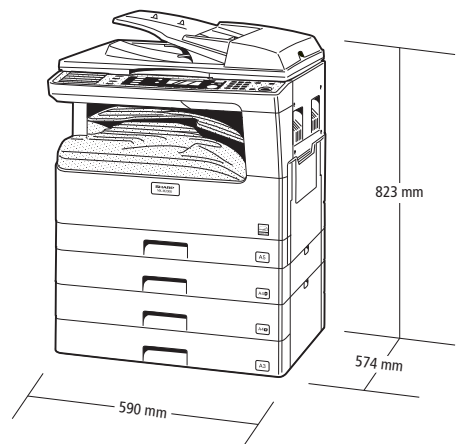
Scan method	Push scan (via control panel), pull scan (TWAIN-compliant application)
Resolution*5	Push scan: 75, 100, 150, 200, 300, 400, 600 dpi
	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi
	50 to 9,600 dpi via user setting
Interface	USB 2.0
Supported OS	Windows® 2000/XP, Windows Vista®
Scanner utilities	Button Manager, Sharpdesk

Network Printing/Scanning (optional MX-NB10 required)

Network interface	USB 2.0, 10Base-T/100Base-TX
Supported OS*6	Windows® 2000/XP, Windows Server® 2003/2008, Windows Vista®, Windows® 7*7
	Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 to 10.5.6, 10.6*7
Network protocols*6	TCP/IP, IPX/SPX (NetWare), NetBEUI, EtherTalk (AppleTalk)
File formats	PDF, TIFF, JPEG
Print resolution	600 dpi, 300 dpi*8
Scan resolution*5	75, 100, 150, 200, 300, 400, 600 dpi
Memory	64MB, expandable to max. 320MB with SO-DIMM 256MB (144-pin)
Features*8	Printer administration utility, printer status monitor, LDAP support, IP/MAC address filtering, port/protocol management, direct PDF/TIFF printing, barcode font compatibility, font/format download, network scan (scan to e-mail/FTP server/desktop)

Facsimile (optional MX-FX10 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*10
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	2MB flash memory
	Optional memory: 8MB (AR-MM9)
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, PC-Fax transmission, activity report, anti-junk fax



Shown with options.