SHARP

MX-M503N
MX-M453N
MX-M363N
Digital Multifunctional System

Preliminary Product Information

NEW DESIGN, GREATER FUNCTION – SMART MFPS WITH COLOUR NETWORK SCANNING

50/45/36 PPM **AT 1,200 DPI**

COLOUR NETWORK **SCANNING**

OPTIONAL **INTEGRATED KEYBOARD**

8.5" COLOUR TOUCH-SCREEN WITH THUMBNAIL VIEW

Highly Productive Operation
- Speedy output of max. 50/45/36 ppm and fast first copy time of 3.9/3.9/4.6 sec.
- Finishing options include bi-folding saddle stitch finisher and inner finisher
- Built-in stackless duplex module and 100-sheet high-speed Duplex Single Pass Feeder
- 70 opm scan speed for two-sided and one-sided originals in colour and B/W
- Standard hard disk and electronic sorting
- Standard 1,100-sheet paper capacity, expandable to max. 5,600 sheets
- Network tandem function doubles output speed by linking two MFPs
- Job Build function for large-volume documents

Multi-Layered Security Solutions
- Optional Data Security Kit encrypts and erases data retained inside the MFP
- Supports the IEEE 802.1X standard for port-based network access control
- Function-specific user authentication
- External Active Directory server allows user authentication management of multiple MFPs and of a greater number of users
- IP/MAC address filtering restricts unauthorised access
- SSL and IPsec enable data encryption for secure network communications
- Encrypted PDF with password protection for secure scanning
- Document Control function* prevents unauthorised copying, scanning, faxing, and filing of confidential documents

* Requires optional Data Security Kit

Environmentally Advanced Design
- Lead- and chromium-free design (RoHS compliant)
- Certified for Energy Star
- Energy-saving design (less than 1W in standby for fax reception)

Sharp's One-of-a-Kind Features
- Sharp OSA (Open Systems Architecture)* allows integration with network applications and makes them accessible from the LCD control panel
- 8.5-inch, touch-screen colour LCD provides thumbnails/previews of Document Filing and fax reception data and previews of copy/send/save jobs
- Control panel can be remotely displayed and operated on a PC
- Retractable QWERTY keyboard (option) allows easy text entry

* Requires optional MX-AMX2 and/or MX-AMX3

All-in-One Performance
- Supports Gigabit Ethernet and the latest network protocols and operating systems
- Standard PCL5e/PCL6 and optional PS3 emulation
- Full-colour network scanning with scan to e-mail/FTP server/desktop/ network folder/USB, and support for JPEG, TIFF, XPS, PDF, and high-compression PDF* formats
- USB port at the front of the MFP allows easy scan to/print from USB memory
- Sharpdesk for integrated, intuitive document management on a PC
- Document Filing function to instantly reuse job data stored on the HDD
- Optional Super G3 fax and Internet fax that supports direct SMTP
- LDAP support for easy browsing of e-mail addresses and fax numbers
- Supports the XPS format (standard for scanning; optional for printing)

* Requires optional MX-EBX3

Superb Image Quality
- True 1,200 x 1,200-dpi high-quality printing without sacrificing speed
- High-resolution imaging with 256-level greyscale; clearly reproduces fine lines, small text, and delicate halftones
- Digital auto exposure control and Text/Photo mode provide optimum copy quality

SPECIFICATIONS

MX-M503N
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Digital Multifunctional System

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General

Engine speed (max.)	A4	A3
MX-M503N	50 ppm/cpm	22 ppm/cpm
MX-M453N	45 ppm/cpm	20 ppm/cpm
MX-M363N	36 ppm/cpm	17 ppm/cpm

Paper size	Max. A3W (via bypass), min. A5R
Paper capacity	Standard: 1,100 sheets (2 x 500-sheet drawer and 100-sheet multi-bypass tray)
	Maximum: 5,600 sheets (4 x 500-sheet drawer, 3,500-sheet large capacity tray and 100-sheet multi-bypass tray)
Paper weight	Drawer: 60 g/m² – 209 g/m²
	Large-capacity tray: 60 g/m² – 105 g/m²
	Multi-bypass tray: 56 g/m² – 209 g/m²
Warm-up time	Less than 20 sec.
Memory	(Copier) Standard 640MB
	(Printer) Standard 1GB, Maximum 2GB
	80GB HDD*1
Power requirement	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.84 kW (220 to 240V)
Dimensions (W x D x H)	645 x 695 x 935 mm
Weight (approx.)	95 kg

Copier

Original paper size	Max. A3
First copy time*2 (sec)	
MX-M503N	3.9
MX-M453N	3.9
MX-M363N	4.6
Continuous copy	Max. 999 copies
Resolution (max.)	1,200 x 1,200 dpi, 600 x 600 dpi
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using DSPF) in 1% increments
Preset copy ratios	10 ratios (5R/5E)

Network Colour Scanner

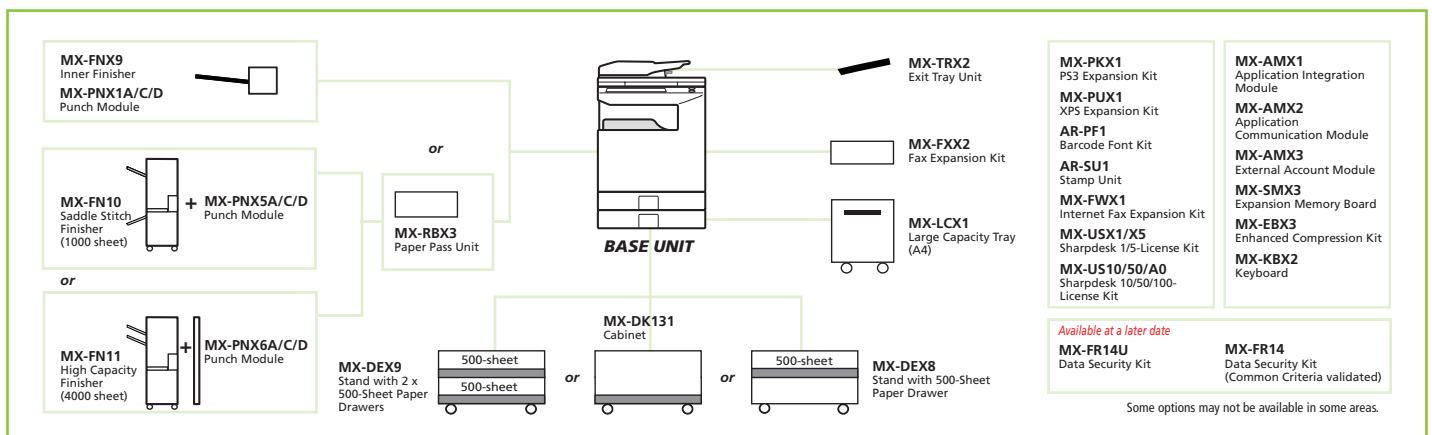|	
Scan method	Push scan (via control panel), pull scan (TWAIN-compliant application)
Resolution	Push scan: 100, 200, 300, 400, 600 dpi
	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi
	50 to 9,600 dpi via user setting
File formats	TIFF, PDF, encrypted PDF, JPEG (colour only), XPS*3, high-compression PDF*4
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail, desktop, FTP server, network folder (SMB), USB memory

Document Filing

Document filing capacity	Main and custom folders: 38GB, 20,000 pages*5 or 3,000 files
	Quick file folder: 12GB, 10,000 pages*5 or 1,000 files
Stored jobs	Copy, print, scan, fax transmission*6
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
Interface	USB 2.0
	10Base-T/100Base-TX/1000Base-T
Supported OS*7	Standard: Windows NT® 4.0 SP5 or later, Windows Server® 2003/2008, Windows® 98/Me/2000/XP, Windows Vista®
	Optional: Mac OS 9.0 – 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 – 10.5.5
Network protocols*7	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 emulation
	Option*8: PS3 emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation

Facsimile (optional MX-FXX2 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*9
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	Standard: 203.2 x 97.8 dpi
	Super Fine: 406.4 x 391 dpi
Recording width	A3 to A5
Memory	8MB flash memory
Grey scale levels	Equivalent to 256 levels

* 1: HDD capacity depends on procurement and sourcing status.
* 2: Long-edge feeding of A4 sheets. May take longer when taking a copy for the first time immediately after turning the machine on.
* 3: To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.
* 4: Optional MX-EBX3 required.
* 5: Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function; up to 12GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
*6: Optional MX-FXX2 required.
*7: Optional MX-PKX1 required for Mac OS and EtherTalk.
*8: PS requires optional MX-PKX1. XPS requires optional MX-PUX1 and MX-SMX3 (1GB).
*9: Based on Sharp's standard chart with approx. 700 characters (A4 long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

CITRIX® | R6 READY | ENERGY STAR | OSA® Sharp Open Systems Architecture

MX-FNX9 Inner Finisher
MX-PNX1A/C/D Punch Module

MX-FN10 Saddle Stitch Finisher (1000 sheet)
+ MX-PNX5A/C/D Punch Module

MX-FN11 High Capacity Finisher (4000 sheet)
+ MX-PNX6A/C/D Punch Module

MX-RBX3 Paper Pass Unit

BASE UNIT

MX-DEX9 Stand with 2 x 500-Sheet Paper Drawers (500-sheet / 500-sheet)

MX-DK131 Cabinet

MX-DEX8 Stand with 500-Sheet Paper Drawer (500-sheet)

MX-TRX2 Exit Tray Unit
MX-FXX2 Fax Expansion Kit
MX-LCX1 Large Capacity Tray (A4)

MX-PKX1 PS3 Expansion Kit
MX-PUX1 XPS Expansion Kit
AR-PF1 Barcode Font Kit
AR-SU1 Stamp Unit
MX-FWX1 Internet Fax Expansion Kit
MX-USX1/X5 Sharpdesk 1/5-License Kit
MX-US10/50/A0 Sharpdesk 10/50/100-License Kit

MX-AMX1 Application Integration Module
MX-AMX2 Application Communication Module
MX-AMX3 External Account Module
MX-SMX3 Expansion Memory Board
MX-EBX3 Enhanced Compression Kit
MX-KBX2 Keyboard

Available at a later date
MX-FR14U Data Security Kit
MX-FR14 Data Security Kit (Common Criteria validated)

Some options may not be available in some areas.

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