

SHARP

MX-4101N MX-4100N

Digital Full Colour Multifunctional System

Preliminary Product Information

Put Speed, High-Quality Colour, and Ease of Use at the Centre of Your Office Needs



Highly Productive Output

- Speedy scanning and output at max. 41 ppm in both colour and B/W
- Fast first copy time of 6.7 sec. in colour and 4.7 sec. in B/W
- Finishing options include bi-folding saddle stitch finisher and inner finisher
- Network tandem function doubles output speed by linking two machines
- Standard hard disk and electronic sorting for both colour and B/W
- Standard 1,100-sheet paper capacity, expandable to max. 5,600 sheets
- Built-in stackless duplex module and 150-sheet high-speed Duplex Single Pass Feeder (MX-4101N) or 100-sheet Reversing Single Pass Feeder (MX-4100N)

Multi-Layered Security Solutions

- Optional Data Security Kit encrypts and erases data retained inside the machine
- 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

Breathtaking Image Quality

- True 1,200 x 1,200-dpi high-quality printing without sacrificing speed
- Improved imaging system with new developer and Mycrostoner-HG faithfully reproduces fine lines and halftone colours
- Third-generation (3G) Sharp Auto Colour Mode provides automated operation and high-quality copies; text on halftone dot patterns comes out clearer than ever

Sharp's One-of-a-Kind Features

- Sharp OSA 3.0 (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
- Scan to USB memory, USB memory direct printing
- Automatically skips blank pages in a document when scanning and sending
- Control panel can be remotely displayed and operated on a PC

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

All-in-One Full-Colour MFP

- Supports Gigabit Ethernet and the latest network protocols and operating systems
- Standard PCL5c/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
- 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 (in B/W)
- LDAP support for easy browsing of e-mail addresses and fax numbers
- Supports the XPS format (standard for scanning; optional for printing)

Environmentally Advanced Design

- Lead- and chromium-free design (RoHS compliant)
- Certified for Energy Star and conforms to standards set for the Nordic Swan and Blue Angel environmental labels
- Energy-saving design (less than 1W in standby for fax reception)



COPY

NETWORK PRINT

NETWORK SCAN

SHARPDISK

FAX
OPTION

MX-4101N/4100N Digital Full Colour Multifunctional System

SPECIFICATIONS (tentative)

General

Type	Desktop
Engine speed (colour & B/W)	Max. 41 cpm/ppm (A4, 8 1/2" x 11", long-edge feeding)
Paper size	Max. A3 wide (12" x 18"), min. A5R (5 1/2" x 8 1/2R")
Paper capacity (80 g/m ²)	Standard: 1,100 sheets (two 500-sheet trays and 100-sheet multi-bypass tray) Maximum: 5,600 sheets
Paper weight	Tray: 60 g/m ² to 209 g/m ² (16 to 110 lbs) Large-capacity tray: 60 g/m ² to 105 g/m ² (16 to 28 lbs) Multi-bypass tray: 55 g/m ² to 256 g/m ² (13 to 140 lbs)
Warm-up time*1	Less than 120 sec.
Memory	Copier memory: Standard 512MB Printer memory: Standard 1,024MB, max. 2,048MB 80GB HDD*2
Power requirements	Rated local AC voltage $\pm 10\%$, 50/60 Hz
Power consumption (max.)	1.84 kW (220 to 240V), 1.44 kW (110 to 127V)
Dimensions (W x D x H)	MX-4101N: 645 x 695 x 960 mm (25 25/64" x 27 3/8" x 37 51/64") MX-4100N: 645 x 695 x 950 mm (25 25/64" x 27 3/8" x 37 25/64") MX-4101N: Approx. 123 kg (271 lbs) MX-4100N: 114 kg (251 lbs)
Weight	
Features	Card shot, edge/centre erase, job build, document filing, document control, user authentication (1,000 accounts), toner save mode, pre-heat/auto power shut-off modes

Copier

Original paper size	Max. A3 (11" x 17")
First copy time*3	Full colour: 6.7 sec. B/W: 4.7 sec.
Continuous copy	Max. 999 copies
Resolution	Scan (colour): 600 x 600 dpi Scan (B/W): 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi*4 Print: 600 x 600 dpi
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using DSPF/RSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)
Features*5	Auto paper selection (mixed/random 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/tab page insertion, pamphlet copy, 2-sided copy orientation change, XY zoom, B/W reverse, mirror image, duplex copy, reserved copy, job programme, image repeat, irregular original/paper size input, stamps (date, page number, text, stamp), multi-page enlargement, tab copy, centering, proof copy, 3G Sharp auto colour mode, auto colour selection, auto calibration

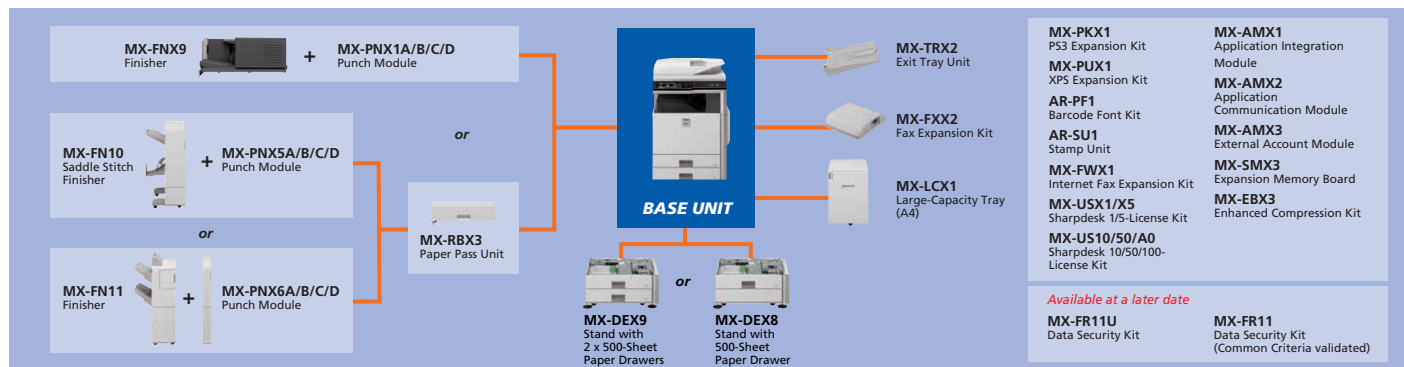
Network Scanner

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*6, high-compression PDF*7
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail, desktop, FTP server, network folder (SMB), USB memory
Features	Internet fax*8 (supports direct SMTP), PC-Internet fax transmission*8, 3G Sharp auto colour mode, mixed size original scanning, LDAP support, direct entry (address, subject, message), 999 one-touch dials, 500 group dials, 48 job programmes, broadcasting, long original scanning (max. 1,000 mm)*9, auto colour selection

Document Filing

Document filing capacity	Main and custom folders: 38GB, 5,500 pages*10 or 3,000 files Quick file folder: 12GB, 1,700 pages*10 or 1,000 files
Stored jobs*5	Copy, print, scan, fax transmission
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection

SYSTEM CONFIGURATION



Network Printer

Resolution	1,200 x 1,200 dpi
Interface	USB 2.0 10Base-T/100Base-TX/1000Base-T
Supported OS*11	Windows NT® 4.0 SP5 or later, Windows Server® 2003/2008, Windows® 98/Me/2000/XP, Windows Vista® Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4 to 10.4.11, 10.5 to 10.5.1
Network protocols*11	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 6/5c emulation Option*12: PS3 emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation
Features*5 *13	Network tandem print, RIP Once/Print Many, job retention (print hold, proof print, confidential print), direct PDF/TIFF/JPEG/XPS printing, carbon copy print, duplex print, font/form download, offset output, printer administration utility and status monitor, pamphlet style, IP/MAC address filtering, port/protocol management, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover insertion, transparency interleave, fit to page, watermarks, form overlay, auto configuration, barcode font compatibility, tab print, poster print, secure network communications (SSL and IPsec [LPD])

B/W Facsimile (optional MX-FXX2 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*14
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 (11" x 17" to 5 1/2" x 8 1/2")
Memory	8MB flash memory
Grey scale levels	Equivalent to 256 levels
Features	Duplex transmission/reception, quick on-line transmission, error correction mode, 999 one-touch dials, 500 group dials, LDAP support, 48 job programmes, broadcasting number registration, F-Code compatibility (confidential, relay broadcast), polling, memory transmission/reception, auto reduction (transmission/reception), rotation transmission/reception, print actual size, 2-in-1 transmission, long original transmission (max. 1,000 mm), PC-Fax transmission, timer transmission, inbound routing to e-mail, activity report, anti-junk fax, dual page scan, mixed size original scanning

*1 : At rated voltage, 23°C (73.4°F). May vary depending on operating conditions.

*2 : HDD capacity depends on procurement and sourcing status.

*3 : Long-edge feeding of A4 (8 1/2" x 11") sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, polygon motor running. May take longer when taking a copy for the first time immediately after turning the machine on. *4: Not available when using RSPF.

*5 : Some features require option(s).

*6 : To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.

*7 : Optional MX-EBX3 required. *8: Optional MX-FWX1 required.

*9 : B/W documents only, scanned at under 400-dpi resolution. Max. 800 mm for Internet faxing or when scanning at 600 x 600-dpi resolution.

*10 : 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.

*11 : Optional MX-PKX1 required for Mac OS and EtherTalk.

*12 : PS requires optional MX-PKX1. XPS requires optional MX-PUX1 and MX-SMX3 (1GB).

*13 : Some features are not available according to the printer driver used.

*14 : Based on Sharp's standard chart with approx. 700 characters (A4 or 8 1/2" x 11" long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

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Certain options may not be available in some areas.