SHARP

Colour- and Speed-Enhanced Performance from a Compact Business Booster

Highly Productive Operation

- Speedy output of max. 31 ppm in both colour and B/W
- Fast first copy time of 7.9 sec. in colour and 5.8 sec. in B/W
- Finishing options include space-saving inner finisher and punch module
- 160GB hard disk and electronic sorting function
- 100-sheet high-speed Reversing Single Pass Feeder and stackless duplex module
- Network tandem function doubles output speed by linking two MFPs
- Job Build function for large-volume documents
- Standard 600-sheet paper capacity, expandable to max. 2,100 sheets

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[*1] prevents unauthorised copying, scanning, faxing, and filing of confidential documents
- Stored data can be initialised before the MFP is taken out of service
  - [*1] Requires optional Data Security Kit

Superb Image Quality

- Improved imaging system with new developer and second-generation Mycrostoner-HG faithfully reproduces fine lines and halftone colours
- Sharp Advanced Printing Language-c (SAPL-c) for high-quality output; PCL option
- Auto Colour Mode provides automated operation and high-quality copies; text on halftone dot patterns comes out clearer than ever

Enhanced Usability

- 7.0-inch, touch-screen colour LCD provides ease of use with functions such as thumbnails/previews of Document Filing and fax reception data and previews of copy/send/save jobs
- Includes stylus pen for easy operation
- Control panel can be remotely displayed and operated on a PC[*2]
- Sharp OSA (Open Systems Architecture)[*3] allows integration with network applications and makes them accessible from the LCD control panel
- Easy-grip handles allow for easy opening/closing of paper drawers
  - [*2] Requires VNC application   [*3] Requires optional MX-AMX2 and/or MX-AMX3

All-in-One Performance

- Supports Gigabit Ethernet and the latest network protocols and operating systems
- Optional PCL6 and PS3 emulation
- Full-colour network scanning with scan to e-mail/FTP server/desktop/network folder/USB memory, and support for JPEG, TIFF, XPS, PDF, and encrypted PDF formats
- Scan to Me function lets logged-in authorised users send scanned data to their own e-mail address simply by pressing the start button; prevents mis-sendings
- 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 (in B/W)
- LDAP support for easy browsing of e-mail addresses and fax numbers

Environmentally Advanced Design

- Lead- and chromium-free design (RoHS compliant)
- Certified for ENERGY STAR®
- Optimises auto power shut-off mode settings based on prior usage patterns

ENERGY STAR

31 CPM PPM   31 CPM PPM

COPY   NETWORK PRINT   NETWORK SCAN   SHARPDESK   FAX OPTION

MX-3111U Digital Full Colour Multifunctional System

SPECIFICATIONS (tentative)

General

Type	Desktop
Engine speed (colour & B/W)	Max. 31 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 1/2"R)
Paper capacity (80 g/m³)	Standard: 600 sheets (500-sheet tray and 100-sheet multi-bypass tray) Maximum: 2,100 sheets
Paper weight	Tray: 60 g/m² to 209 g/m² (16 lbs bond to 110 lbs index) Multi-bypass tray: 55 g/m² to 256 g/m² (13 lbs bond to 140 lbs index)
Warm-up time*1	20 sec.
Memory	[Standard] Copy/print (shared): 1GB 160GB HDD*2 [Option] Print: 1.5GB
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.84 kW (220 to 240V), 1.44 kW (100 to 127V)
Dimensions (W x D x H)	583 x 623 x 834 mm (22 31/32" x 24 33/64" x 32 53/64")
Weight (approx.)	74 kg (161.3 lbs)
Features	Job build, document filing, user authentication (1,000 accounts), toner save mode, pre-heat/auto power shut-off modes, preview, thumbnail view*3

Copier

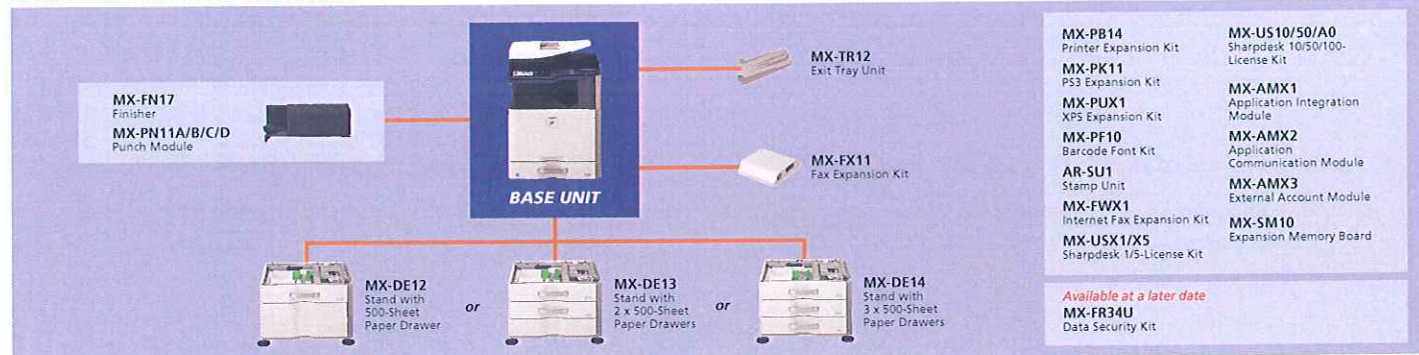|	
Original paper size	Max. A3 (11" x 17")
First copy time*4	Full colour: 7.9 sec. B/W: 5.8 sec.
Continuous copy	Max. 999 copies
Resolution	Scan (colour): 600 x 600 dpi Scan (B/W): 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on print mode)
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using RSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)
Features	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, job reservation, job programme, photo repeat, irregular original/paper size input, stamps (date, page number, text, stamp), multi-page enlargement, tab copy, centering, proof copy, auto colour mode, auto colour selection, auto calibration, watermarks, sharpness, card shot, original count, edge/centre/side erase

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*5
File formats	TIFF, PDF, encrypted PDF, JPEG (colour only), XPS*6
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail/desktop/FTP server/network folder (SMB)/USB memory Internet fax*7 (supports direct SMTP), PC-Internet fax transmission*7,
Features	auto colour mode, mixed size original scanning, LDAP support, direct entry (address, subject, message), 1,000 one-touch dials, 500 group dials, 48 job programmes, broadcasting, long original scanning (max. 1,000 mm)*8, auto colour selection, card shot, original count, edge/side erase

Document Filing

Document filing capacity	Main and custom folders: 72GB, 20,000 pages*9 or 3,000 files Quick file folder: 14GB, 10,000 pages*9 or 3,000 files
Stored jobs*10	Copy, print, scan, fax transmission
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection

Network Printer

Resolution	600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS*11	Windows Server® 2003/2008, Windows® 2000/XP, Windows Vista®, Windows® 7, Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 to 10.5.8, 10.6 to 10.6.5
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: SAPL-c (Sharp Advanced Printing Language-c) Option*12: PCL 6 emulation, PS3 emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation
Features*10 *13	Network tandem print, RIP Once/Print Many, job retention (proof print, confidential print), direct PDF/TIFF/JPEG/XPS printing, carbon copy print, duplex print, font/form download, offset output, pamphlet style, Sharp Remote Device Manager, printer status monitor, IP/MAC address filtering, port/protocol management, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover/transparency insertion, fit to page, watermarks, form overlay, auto configuration, barcode font compatibility, tab print, poster print, margin shift, secure network communications (SSL and IPsec [LPD])

B/W Facsimile (optional MX-FX11 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 Ultra Fine (406.4 x 391 dpi)
Recording width	A3 to A5 (11" x 17" to 5 1/2" x 8 1/2")
Memory	1GB (built-in)
Grey scale levels	Equivalent to 256 levels
Features	Duplex transmission/reception, quick on-line transmission, error correction mode, 1,000 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/FTP server/network folder (SMB)/PC desktop/fax/Internet fax, activity report, anti-junk fax, dual page scan, mixed size original scanning, card shot, edge/side erase, original count

*1: At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment.
*2: HDD capacity depends on procurement and sourcing status.
*3: Thumbnails of Document Filing data files and incoming faxes.
*4: 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, MFP in fully ready condition. May vary depending on operating conditions and environment.
*5: Resolutions higher than 600 dpi are interpolated.
*6: To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.
*7: Optional MX-FWX1 required.
*8: 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.
*9: 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 14GB of data storage is available when using both functions. The storage capacity will be less for colour pages.   *10: Some features require option(s).
*11: Optional MX-PB14 and MX-PK11 required for Mac OS and EtherTalk.
*12: PCL requires optional MX-PB14. PS requires optional MX-PK11 and MX-PB14. XPS requires optional MX-PUX1, MX-PB14, and MX-SM10 (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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SYSTEM CONFIGURATION

MX-TR12 Exit Tray Unit

MX-FN17 Finisher
MX-PN11A/B/C/D Punch Module

BASE UNIT

MX-FX11 Fax Expansion Kit

MX-DE12 Stand with 500-Sheet Paper Drawer   or   MX-DE13 Stand with 2 x 500-Sheet Paper Drawers   or   MX-DE14 Stand with 3 x 500-Sheet Paper Drawers

MX-PB14 Printer Expansion Kit
MX-PK11 PS3 Expansion Kit
MX-PUX1 XPS Expansion Kit
MX-PF10 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-SM10 Expansion Memory Board

Available at a later date
MX-FR34U Data Security Kit

Certain options may not be available in some areas.

SHARP