SHARP

MX-C312

MFP PERFORMANCE ANYWHERE YOU NEED IT

POWERFUL PERFORMANCE IN A COMPACT HYBRID DESIGN

Sharp combines the SIMPLICITY AND CONVENIENCE of network printers with the MULTI-TASKING PRODUCTIVITY of color MFPs to achieve the best of both worlds. The MX-C312 is an exciting example of the SHARP® FRONTIER SERIES, bringing brilliant color output closer to your workgroup with a HYBRID DESIGN that has a small footprint to fit into environments others won't, yet big on functionality. The LARGE 7" DIAGONAL COLOR TOUCH-SCREEN simplifies operation by providing an intuitive user interface to keep ahead of today's fast-paced office document distribution needs. Incorporating next-generation COMMON CONTROLLER ARCHITECTURE, the Frontier Series provides uniform functionality and operability as found in Sharp's AWARD-WINNING MFP PRODUCT LINE. Engineered to help reduce operating costs and downtime, the MX-C312 is easier than ever to set up, monitor and maintain. This model offers modular expandability, remote-access capabilities and a VALUE-ADDED APPROACH to network and software integration. The latest in a long line of innovative products from today's fastest-growing name in office electronics, it also incorporates Sharp's AWARD-WINNING Sharp OSA® PLATFORM and the industry-leading Sharp security suite to help protect data and control access.

innovative

- Vivid color and crisp black-and-white documents can be quickly and accurately produced at speeds up to **31** pages per minute.

- Powerful 800 MHz controller for **true multi-tasking** performance and increased multi-function productivity.

- Large **7" diagonal high resolution, wide-screen color touch display** with an intuitive graphical user interface that makes advanced copying, printing, scanning and faxing functions easy to use.

- Sharp's easy to use Document Filing System provides up to 38 GB of hard drive space for **fast document storage and retrieval,** with **thumbnail view and image preview modes** that allow users to easily locate, identify and retrieve files.

- **Optional Inner Finisher** can be added without taking up much additional space. The space-efficient finisher not only provides exceptional productivity but also automates time-consuming tasks such as stapling, sorting and offset stacking.

- **Direct USB Scanning and Printing** provides a whole new level of convenience. It comes in handy for scanning documents directly to a USB memory device and is an easy way to print PDF documents.

- Sharp's powerful **ImageSEND™** technology securely scans documents to up to seven destinations, including: USB devices, network folders, e-mail, fax machines and desktop PCs, at speeds up to 35 images per minute. You get one-touch distribution features that centralize document workflow helping save time and money.

- The **Remote Front Panel** feature allows administrators and help desk professionals access and control the device from a remote PC workstation. This feature can also be used to help facilitate key operator training.

- The optional **Super G3 Fax Kit** with intelligent Inbound Fax Routing delivers lightning-fast faxing for busy workgroups.

- The optional **Business Card Feeder** can automatically feed and scan business cards and is capable of working with commercially available business card scanning software to automate contact database entry.

- Third-generation Sharp OSA development platform enables users to **access network applications** directly from the device's touch-panel display, helping to **reduce redundancy and streamline workflow**.

Main Specifications

MX-C312	Includes multi-tasking controller, 80 GB HDD with document filing system, PCL® 5c/PCL6/PostScript® 3 network printing, network scanning, 50-sheet RSPF, auto-duplex, 500-sheet paper drawers and 100-sheet bypass. Black and color developer is included in the box.
Type	Color multi-function digital document system
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Heat Roller fusing/Xenon Lamp Exposure
Originals	Sheets and Bound Documents
Max Original Size	8-1/2" x 14"
Copy Size	Min 5-1/2" x 8-1/2"/Max 8-1/2" x 14"
Copy Speed	31 ppm B&W/Color (Letter)
Multiple Copy	Max: 999 copies
First Copy Time	Platen glass: 8.0 sec or less (B&W); 8.9 sec or less (color) RSPF: 9.9 sec or less (B&W); 11.5 sec or less (color)*
Warm-Up Time	90 seconds or less*
Magnification	50% to 200% in 1% increments (50 to 200% for RSPF)
Original Feed	50-sheet RSPF with original size detection
Scan Speed	Copy mode (Simplex): Up to 35 ipm (B&W or color) @ 600 X 300 dpi. Network Scan (Simplex): Up to 35 ipm (B&W or color) @ 200 x 200 dpi.
Original Sizes	5-1/2 x 8-1/2 / 8-1/2 x 14 (15-lb bond to 110-lb index)
Paper Feed System	Standard: 500 sheet paper drawer (Letter/Legal) and 100-sheet bypass tray (Letter/Legal). Optional: Up to 3 additional 500-sheet paper drawers (Letter/Legal)[2]
Paper Types	Paper drawers: 16-28 lb. bond. Other paper types include: plain, pre-printed, recycled, pre-punched, letterhead, and color paper. Bypass Tray: 16-28 lb. bond (plain paper), 15-16 lb. (thin paper), 28 lb. bond-110 lb. index (heavy paper), 20-24 lb. (Monarch/Com-10 envelope). Other types include label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color film and OHP Film.
Duplexing	Standard automatic duplex copying and printing
CPU	Power QUICCIII-MPC8533E/800MHz
Interface	RJ-45 Ethernet (10Base-T/100Base-TX/1000Base-T), USB 2.0 (Host Port), USB 2.0 (Device Port)
Memory	Standard 1 GB (copier); 512 MB (printer/network scanning) memory
Hard Disk Drive	80 GB; up to 50 GB document filing system
Copy Resolution	Scan: B&W/Color: 600 dpi; Copy output: B&W/Color 600 dpi
Color Modes	Auto Color Control, Full Color Mode, Monochrome (B&W), 2 Color Mode, Single Color Mode.
Exposure Control	Modes: Automatic (Color: Magical View, B&W: Character AE) Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color document. Settings: Auto exposure control or 9 step manual exposure.
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once-Print-Many, electronic sorting, Auto Color Sensing (ACS), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), Auto tray switching (ATS), rotation copy, reverse copy, margin shift, edge erase, OHP insertion, card shot, reverse image, black-white reversal, centering, proof copy, 2-in-1, photo repeat, document filing, job programs, date/character/page stamp (color)
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp (color), Copy, Print, Scan, Fax and Document Management
Output Tray Capacity	Main output tray (top) 250 sheets (face down)
Firmware Management	Flash ROM with local (USB); network update capability and firmware update 1 to N with PAU (Printer Administration Utility)
Configuration Method	Web-based management system with user/administrator level login security, cloning (1 to N) with PAU and remote front panel access
Service/Maintenance	Remote Front Panel Access to service logs and click counts
Power	AC 100-127VAC, 60HZ, 12 AMPS
Power Consumption	Maximum: 1.44kW or less.
Weight	Approx. 102 lbs (base model)
Dimensions	22-3/64" x 17-1/4" x 28-7/64"

Network Printing System (Standard)

PDL	PCL5c, PCL6, PostScript 3 compatible, optional XPS
Resolution	1200 dpi, 600 dpi
Print Speed	31 pages per minute (Letter)
Print Drivers	Windows Server® 2003-2008, Windows XP, Windows XP x 64, Windows Server x64, Windows Vista®, Windows Vista x 64, Windows® 7, MAC® OSX® (including 10.4.11, 10.5-10.5.8, 10.6-10.6.8, 10.7.2-10.7.4, all MAC PPD.
Features	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/last page, transparency inserts, carbon copy print mode, fit-to-page, poster print, margin shift, mirror image, watermarks, overlay, confidential print, confidential batch print, print hold, bypass printing, job priority printing and direct printing. (Note: Some features not available on certain print drivers)
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, PostScript and XPS[1]. Methods: FTP, WebPage, E-mail and USB Memory
Resident Fonts	80 Outline Fonts
Interface	RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-
Operating Systems	Windows Server® 2003-2008, Windows® 2000/XP, Windows Vista, Windows 7, MAC OSX 10.4.11, 10.5-10.5.8, 10.6-10.6.5,10.6.8, 10.7.2 -10.7.4, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, 802.1x for Windows and Unix. LPD and LPR for UNIX. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI, AppleTalk for Macintosh® environments.
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
Network Security	IP/Mac address filtering, protocol filtering, port management, user authentication and document administration.
Security Standards	IEEE 2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)

Network Scanning System (Standard)

Max Original Size	8-1/2" x 14"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
Scan Modes	Color, monochrome, grayscale
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS[1] Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS[1] Internet Fax: TIFF-FX, FIFF-F, TIFF-S[1]
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (High, middle, low) Internet Fax mode: MH/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
One-Touch Destinations	Up to 999 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs in Memory	Up to 94
Network Protocols	TCP/IP and SSL (Includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® desktop document management software (1 user license)

B&W Super G3 Fax Kit (Option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression Methods	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max Transmit Resolution	400 dpi
Transmit Speed	Approximately 2 seconds with Super G3/JBIG[4]
Auto Dialing	Up to 999 (combined scan destinations)
Group Dial/Destinations	Up to 500
Inbound Fax Routing	Forwards received fax data to E-mail, FTP, Desktop, SMB

B&W Super G3 Fax Kit - *Continued*

Long Length Originals	Up to 19.5" (for transmission)
Programs	48 (combined)
Memory	8 MB (Exclusive)
Halftone	256 levels
Features	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, anti-junk fax reception, automatically staple received faxes, secure fax release, out of paper memory reception, auto redial, duplex reception transaction reports, activity reports and PC Fax.

Inner Finisher (Option)

Type	Built in Finisher
Output Capacity	Up to 280 sheets (Letter/Legal), 100 postcard, 20 envelope
Output Delivery	Face down
Stapling Media	Plain/Thin/Heavy/Recycled/Letterhead/Pre-punched/Colored/Preprinted paper
Stapling Positions	Single corner position
Power Source	Supplied from the main unit
Stapling	30 sheets Letter/legal
Stapled Sets	10 bundles or 300 sheets (letter/legal)
Weight	Approx. 19.8 lbs
Dimensions	18-2/3" (w) x 13-1/16" (d) x 6-3/16" (h)
(When Tray is expanded)	20-1/2" (w) x 13-1/16" (d) x 6-3/16" (h)

Optional Equipment

MX-BTX1	Business Card Feeder
MX-FN12	Inner Finisher
MX-CFABB	Base Plate with locking casters
MX-CFABD	Deluxe Cabinet with door and locking casters
MX-CSX1	500 sheet Paper Feed Unit for Tray 2
MX-CSX2	500 sheet Paper Feed Unit for Trays 3 & 4
MX-PUX1	XPS Expansion Kit (Requires MX-SHP1GBXPS)
MX-SHP1GBXPS	Expansion Memory 1 GB (Required for MX-PUX1)
AR-PF1	Bar Code Font Kit
MX-FR29U	Commercial Data Security Kit
MX-FXX3	Fax Expansion Kit
MX-FWX1	Internet Fax Expansion Kit
MX-AMX1	Application Integration Module
MX-AMX2	Application Communication Module
MX-AMX3	External Accounting Module
MX-USX1	Sharpdesk 1 License Kit
MX-USX5	Sharpdesk 5 License Kit
MX-US10	Sharpdesk 10 License Kit
MX-US50	Sharpdesk 50 License Kit
MX-USA0	Sharpdesk 100 License Kit

Supplies

MX-C40NTB	Black Toner Cartridge
MX-C40NTC	Cyan Toner Cartridge
MX-C40NTM	Magenta Toner Cartridge
MX-C40NTY	Yellow Toner Cartridge
MX-C40NVB	Black Developer
MX-C40NVC	Cyan Developer
MX-C40NVM	Magenta Developer
MX-C40NVY	Yellow Developer
MX-C40NRB	Black Drum Cartridge
MX-C40NRS	Color Drum Cartridge
MX-C31HB	Toner Collection Container
MX-SCX1	Staple Cartridge

* May vary depending on product configuration, machine settings and operating and/or environmental conditions.

[1] Some features require optional equipment
[2] Paper capacity is based on letter size paper
[3] Actual transmission time will vary based on line conditions
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution

ImageSEND   OSA Sharp Open Systems Architecture   mv™ SHARP   ENERGY STAR