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. The 7” (diagonal) HIGH RESOLUTION COLOR TOUCH-SCREEN simplifies operation by providing an intuitive user interface to keep ahead of today’s fast-paced office document distribution needs. With Sharp’s 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. The MX-C312 offers modular expandability, remote-access capabilities and a VALUE-ADDED APPROACH to network and software integration. The latest in a long line of innovative Multifunction Document Systems, the MX-C312 incorporates Sharp’s AWARD-WINNING SHARP OSA® DEVELOPMENT PLATFORM and industry-leading security suite to help protect data and control access. The new MX-C312 ease and versatility will change your mind about MFPs. More power, less complexity—that’s WORK WITHOUT LIMITS.
The Sharp MX-C312 brings fast output, superior color quality and a compact footprint closer to the workgroup. Advanced and easy to operate features will help maximize efficiency, simplify document workflow and reduce operating expense. Incorporating Sharp’s true multi-tasking controller technology, this powerful MFP meets the fast-paced needs of today’s modern office.

**PRODUCTIVITY IN ACTION TO SPEED OUTPUT AND STREAMLINE DOCUMENT WORKFLOW**

- 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-functional productivity.
- Standard PCL® 6 and PostScript® 3™ compatible printing systems with available XPS option.

- 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.

- 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.

- 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 easy-to-use Document Filing System provides robust 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.

- The Remote Front Panel feature allows administrators and help desk professionals to 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.

- With Sharpdesk® personal document management software, users can easily organize their scanned documents and integrate them into everyday workflow.

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The Sharp MX-C312 is designed to minimize service requirements and maximize uptime. The MX-C312 employs long-life, quick-replace cartridges to help extend supplies replenishment intervals and dramatically reduce downtime. Maintenance is trouble-free, with clean and simple replacement of supplies and machine maintenance procedures that can be performed quickly and easily by service technicians or help desk professionals.

- By utilizing a long-life tri-component supplies system consisting of individual toner, developer and drum cartridges, the working life of developer and drums is significantly prolonged—and consumables yield can be up to six times higher than that of typical mono-unit consumable systems.

- Sharp encourages customers to make use of the Toner Recycling Program that provides a pre-paid shipping label for returning used Sharp toner cartridges to our recycling facility. Learn more at: www.sharpusa.com/recycle.

- Supplies can be replenished with no mess and no tools required. Maintenance parts such as primary transfer belt, transfer roller, fuser, paper feed rollers and document feed rollers are also designed for quick, tool-free replacement.

- Built on a sophisticated and rugged unibody frame, the MX-C312 is constructed to absorb vibration, reduce operating noise, and consistently produce superior image quality.

- Sharp’s second-generation micro-fine toner technology and new developer combine to reduce graininess, produce clear reproduction of fine lines and halftone colors, and offer a lower consumption rate than conventional toner. The result is breathtaking image quality, less packaging materials and longer replacement intervals.

- Sharp is a four-time winner of the SmartWay® Excellence Award, which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation. Sharp was also a previous recipient of the Excellence in Partnership Green Contractor Award and the Evergreen Award from the General Services Administration (GSA) and the Coalition for Government Procurement. These awards recognize environmentally responsible businesses and their efforts on recycling, waste reduction and affirmative procurement practices.
Today’s multifunction products must be versatile enough to handle fast-changing system requirements and security demands. For Sharp, that’s a given—but we’ve gone much further.

Designed for today’s mobile and flexible workplace, the MX-C312 supports the

**AWARD-WINNING SHARP OSA** development platform. This **TECHNOLOGY** delivers unparalleled efficiency, control and convenience. With **SEAMLESS INTEGRATION**, Sharp OSA-developed applications provide a window into your business applications, so you can access what you need, when you need it, right from the touch panel. With the ability to

**PERSONALIZE APPLICATIONS** and processes specific to your business, Sharp OSA technology can help eliminate redundancy and streamline workflow. Utilizing **INDUSTRY STANDARD NETWORK PROTOCOLS**, such as XML and SOAP, Sharp OSA technology allows these MFPs to communicate with many different applications. As your integration and workflow needs change, count on Sharp’s scalable technology to help **KEEP YOU AHEAD**.
The exchange of digital documents in the 21st century creates new challenges for network security. Sharp has developed an award-winning, multi-layered security system to help protect valuable information and maintain employee confidentiality. Sharp has a long history in maintaining digital security—so corporate end-users and IT professionals can count on the proven safeguards of the MX-C312.

**Authority Group and Access Control**
Advanced account management enables administrators to set authority groups for access to features of the MX-C312. Administrators can control which department, for instance, has full access to color copying, printing, scanning and/or fax. Walk up users enter a code, Local Name and Password, or LDAP User Authentication to access their features assigned to their group. Users can also login utilizing a human interface device (HID) such as a Smartcard or Common Access Card (CAC).*

**Data Erase and Encryption**
To help protect your data, the MX-C312 Series offers an optional data security kit that encrypts document data using AES (Advanced Encryption Standard) encryption. Additionally, the data security kit erases the temporary memory on the hard drive by overwriting the encrypted data up to seven times, offering an unprecedented level of assurance.

**Control Device Access Over the Network**
To help restrict access to the device over the network, the MX-C312 offers IPsec, SMB and extended support for SSL Encryption (Secure Sockets Layer), IP/MAC address filtering, IEEE 802.1x authentication, protocol enable/disable and port management for maximum security.

**Network Scanning Access**
To help protect your network from unauthorized E-mail communications, the MX-C312 supports User Authentication, requiring users to login before performing any network scanning operations.

**Documents Remain Confidential**
To help protect your printed documents from unauthorized viewing, the MX-C312 offers encrypted PDF files for printing and scanning as well as Confidential Printing that requires users to enter a PIN code in order to print a queued document. Additionally, Secure Fax Release ensures received fax documents are held in memory until an authorized user enters a PIN code. So compliance with healthcare regulations such as HIPAA is easier.

**Tracking and Auditing Information**
Legislation and industry policies require companies to be more aware of information flow from their offices. Sharp offers both built-in and additional hardware/software which allows users to control, access and track usage of each device on the network.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA), and the Gramm-Leach-Bliley Act (GLB). For additional information visit: [www.sharpusa.com/security](http://www.sharpusa.com/security)

* Some features require optional equipment.
DEVICE MANAGEMENT MAXIMIZES PRODUCTIVITY AND CONTROL

Sharp’s MX-C312 combines integrated, user-friendly software with robust device management technology to help IT professionals manage usage, control costs and minimize downtime. To maximize opportunities while reducing document and support costs, office environments must MANAGE DOCUMENT WORKFLOW with greater intelligence. The Sharp ADMINISTRATION UTILITY SUITE is designed to do just that. It allows administrators to MANAGE DEVICES more efficiently. They can remotely manage the setup, configuration, device settings and more! The convenience of an Embedded Web Page gives users an advanced WEB-BASED MANAGEMENT TOOL of network scanning, profiles and web-links—while administrators can access device settings, color controls, account information and security settings to help SAVE TIME and IMPROVE PRODUCTIVITY. Sharp’s device management system lets you TAKE CHARGE of color usage and costs. The REMOTE FRONT PANEL feature allows help desk professionals and support personnel to view and control the device’s LCD Panel remotely from any authorized networked PC. Our Printer Status Monitor lets network users VIEW PRINTER CONDITIONS, check paper and toner levels right from the workstation. Powerful and Intuitive SHARPDESK® SOFTWARE enables individuals GREATER CONTROL OF SCANNED DOCUMENTS.

The Sharp 24/7 Training Advantage
To make managing your new MX-C312 document systems simple and easy, ask your local Authorized Sharp Dealer about My Sharp, a dedicated customer-care website that offers solutions, resources and information specific to your new Sharp product.
MX-C312 SPECIFICATIONS

Main Specifications
MX-C312 Includes multi-tasking controller, 80 GB HDD with document filing system, PCL 6/PostScript 3® network printing, network scanning, 50-sheet RSPT, 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

Copy System
Digital transfer/development/development component magnetic brush development/OPC drums/Heat Roller fusing/ Xenon Lamp Exposure

Originals
Sheets and Bound Documents

Max Original Size
11" x 17"

Copy Size
Min 5-1/2" x 11"/Max 8-1/2" x 14"

Copy Speed
31 ppm (BM/Color/Letter)

Multiple Copy
Max 999 copies

First Copy Print Time
Platen: 8.0 sec or less (BM) 8.9 sec or less (BM) RISIP: 9.9 sec or less (BM), 11.5 sec or less (Color)

Warm-Up Time
90 seconds or less

Magnification
50% to 200% in 1% increments (50% to 200% for RSPT)

Original Feed
50-sheet RSPT with original size detection

Scan Speed
Copy mode (Simplex): Up to 35 ppm (BM) or color @ 600 x 300 dpi. Network Scan (Simplex): Up to 35 ppm (BM or Color) @ 200 x 200 dpi.

Original Sizes
Plain, pre-printed, recycled, pre-punched, letterhead, and OHP film.

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).

Paper Types
Plain, pre-printed, recycled, pre-punched, letterhead, color film and OPJ Film.

Duplexing
Standard automatic duplex copying and printing

CPU
PowerQUICC III-MPC8533E/800MHz

Network Printing System (Standard)
PDL
PCL6/PostScript 3® compatible, optional XPS

Resolution
1200 dpi, 600 dpi

Print Speed
31 pages per minute (Letter)

Print Drivers
Windows Server 2003-2008, XP, Windows XP x 64, Windows Server x64, Windows Vista x64, Windows 7, MAC OS 10.4, 10.5-10.6.5, 10.6-10.6.8, 10.7-10.7.4, all MA PPD

Features
Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/half 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, auto centering, printing and direct printing. (Note: Some features not available on certain print drivers)

Direct Printing
File Types: TIFF, JPEG, PCL, PDF, TEXT, PDF, Encrypted PDF, PostScript and XPS. Methods: FTP, WebPage, Email, and USB Memory

Resident Fonts
80 Optimize Fonts

Interface
RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T

Operating Systems
Windows Server 2003-2008, XP, Windows Vista, Windows 7, MAC OSX 10.4.11, 10.5-10.5.6, 10.6, 10.6.8, 10.7-10.7.4, Network, Network, Network.

Protocols

Print Protocols
DLR, IPP, PPS, PAP, Rm TP (PORT 9100), FFP and Novell Pre-registered

Network Printing
IP/MAC address filtering, protocol filtering, port management, user authentication and document administration.

Security
IEEE 802.03-2008, DOD (11SPS) T1T, DOD Directive Standards 5002.0, DOD (SS)

Network Scanning System (Standard)
Max Original Size
11" x 17"

Optical Resolution
600 dpi

Output Modes
600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi

Scan Colors
Color, monochrom, grayscale

Image Formats
Monochrome: TIF, PDF, Encrypted PDF, XPS
Color: Gray, Color TIF, PDF, Encrypted PDF, XPS

Image Compression
Monochrome Scanning: Uncompressed, G3 (M H), G4 (M M R, M M M)
Color/GrayScanning: JPEG (high, middle, low)

Internet Fax mode: B4MM/WVN (option)

Scan
E-Mail, Desktop, TIFF, Folder (M D B), HTTPS, Internet Fax (option), Super G3 fax (option)

One-Touch
Up to 999 (combined scan destinations)

Destinations
Group Destinations Up to 500
Programs 48 (combined)

Max. Jobs
Up to 94

in Memory

Network
TCP/IP and SSL (includes SMTP, LDAP, FTP, POP3), SMB, ESMT 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

Modern Speed
33.6 Kbps

Compression
B3S, MR, M M, MH

Methods
Scanning Method Sheet fed simplex or duplex or book

Max Transmit
400 dpi

Resolution

Transmit Speed
Approximately 2 seconds with Super G3UBS

Auto Dialing
Up to 999 (combined scan destinations)

Group Dial
Up to 500

Destinations
Inbound Fax
Forwards received fax data to E-mail, FTP, Desktop, SMB

Flip Routing

B&W Super G3 Fax Kit - Continued

Long Length
Up to 15.5" for transmission

Originals
48 (combined)

Memory
8 MB (Exclusive)

Halttime
256 levels

Features
Quick on-line transmission, direct transmission, F-Code transmission/ reception, rotation transmission, anti-junk fax reception, automatically stapled received faxes, secure fax transmission, out of paper memory reception, auto redial, duplex reception transmission 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

Slipping Media
Plain/Thin/Heavy/Recycled/Letterhead/pre-punched/Colored/Preprinted paper

Slipping Positions
Single corner position

Power Source
Supply voltage 220 volt AC unit

Slipping
30 sheets Letter/Legal

Slipped Sets
10 bundles or 300 sheets (letter/legal)

Weight
Approx. 19.8 lbs

Dimensions
19-3/16” x 13-1/16” x 8-3/16” (H)

(When Tray is expanded)

Optional Equipment

MX-BT1X
Business card feeder

MX-FN12
Inner Finisher

MX-DS13
Base Plate with

MX-DS14
Stackable Cabinet

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-31P1D(8PQ)

MX-SHP1GBPS
Expansion Memory 1GB (Required for MX-PUX1)

MX-PF20D
Bar Code Font Kit

MX-PD20U
Commercial Data Security Kit

MX-PXX3
Fax Expansion Kit

MX-PWX1
Internet Fax Expansion Kit

MX-M8X1
Application Integration Module

MX-M8X2
Application Communication Module

MX-M8X3
External Accounting Module

MX-USX1
Shardesk 1 License Kit

MX-USX5
Shardesk 5 License Kit

MX-US10
Shardesk 10 License Kit

MX-US50
Shardesk 50 License Kit

MX-US100
Shardesk 100 License Kit

Supplies
MX-C40NB
Black Toner Cartridge

MX-C40NT
Cyan Toner Cartridge

MX-C40MT
Magenta Toner Cartridge

MX-C40NY
Yellow Toner Cartridge

MX-C40NB
Black Developer

MX-C40NM
Cyan Developer

MX-C40NW
Magenta Developer

MX-C40NY
Yellow Developer

MX-C40NB
Black Drum Cartridge

MX-C40NS
Color Drum Cartridge

MX-CS1HR
Toner Collection Container

MX-SCX1
Staple Cartridge

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