MFP Performance Anywhere You Need It

MX-C312
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.

Optional business card feeder.

Front Panel USB 2.0 port for easy access.
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.

- Power consumption on the MX-C312 is among the lowest in its class. These models comply with the Energy Star™ Program and the RoHS program to minimize energy consumption and the use of chemicals and materials that can harm the environment.

- 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.

- As a testament to our commitment to the environment, Sharp is a three-time winner of the ENERGY STAR annual Excellence in Energy Proficiency Product Design. Sharp is also 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.

PERSONALIZED AND VERSATILE
APPLICATION INTEGRATION

Sharp OSA® technology at a glance
- Automate tasks and save time with seamless integration between the MX-C312 and network applications
- Centralized applications minimize setup and installation on multiple Sharp products
- Virtually eliminates repetitive tasks and streamlines workflow, increasing efficiency
- Maximizes your return on investment with tighter integration among IT assets
- Industry standard programming leads to faster deployment of new solutions
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.
**MX-C312 SPECIFICATIONS**

**Main Specifications**

- **MX-C312** includes multi-tasking controller, 80 GB RDC with document filing system, PCL 6/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

- **Copy System**
  - Dry electrostatic transfer/development component
  - Magnetic brush developer/OPC drums/Heat Roller
  - Fusing/Xenon Lamp Exposure

- **Originals**
  - Sheets and Bound Documents

- **Max Original Size:** 11” x 17”

- **Copy Size**
  - Max 5:1:1/ x 11”/Max 8:1:2 x 14”

- **Copy Speed**
  - 31 ppm BW/Color (Letter)

- **Multiple Copy**
  - Max: 999 copies

- **First Copy Time**
  - Photo: 8.0 sec or less (BW), 8.9 sec or less (color)
  - RSPF: 9.9 sec or less (BW), 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)
  - Copy mode (Duplex): Up to 18 ipm (B&W or Color)

- **Original Sizes**
  - Tabloid: 11” x 17” (150 lb.-to 110 lb.-index)

- **Paper Feed System**
  - Standard: 500 sheet paper drawer (Letter/Legal)
  - Paperfeed: 1000 sheet paper drawer (Letter/Legal)

- **Paper Types**
  - Plain paper: 20-lb. to 24-lb.
  - Color paper: 16-lb. to 28-lb.
  - Other types: label, glossy paper, letterhead, pre-printed, recycled, perforated,ivar, color film and ORIP Film.

- **Duplexing**
  - Standard automatic duplex copying and printing

- **CPU**
  - PowerQUICCIII-MPC8533E/800MHz

- **Interface**
  - USB 2.0 (Host Port), USB 2.0 (Device Port), Ethernet 10Base-T/100Base-TX/1000Base-T

- **Paper Source**
  - 500 sheet paper drawers and 100-sheet bypass

- **Dimensions**
  - Approx. 20-1/2” (w) x 13-1/16” (d) x 6-3/16” (h)

- **Weight**
  - Approx. 19.8 lbs

- **Power Input**
  - 110V or 220V 50/60Hz (Voltage selectable) 10 bundles or 300 sheets (letter/legal)

- **Power Source**
  - 100-240V 50/60Hz (Voltage selectable)

- **Additional Specifications**
  - Air flux, 90 minutes 300 sheet paper drawer
  - Power consumption: 1.5Kw approx.

**Network Printing System (Standard)**

- **Paper Size**
  - A4, Letter, Legal, A5, A6, B5, B6, C5, Exec, Folio

- **Resolution**
  - 1200 dpi, 600 dpi, 4800 x 600 dpi

- **Printer Speed**
  - 31 pages per minute (Letter)

- **Print Resolution**
  - 600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi

- **Print Modes**
  - Uncompressed, G3 (MH), G4 (MR/MMR)
  - JPEG (High, middle, low)

- **Image Compression**
  - Monochrome: Uncompressed, JPEG, PDF, Encrypted PDF, XPS, Internet Fax, TIFF-FX, FIT-FX, FIT-S
  - Color: Monochrome Uncompressed, JPEG, PDF, Encrypted PDF, XPS, Internet Fax, TIFF-FX, FIT-FX, FIT-S

- **Scan-to-Function**
  - Email, Desktop, FTP, Folder, SMB, USB, Internet Fax (option), Super G3 fax (option)

- **Network Scanning System (Standard)**
  - **Max Original Size:** 11” x 17”
  - **Optical Resolution:** 600 dpi

- **Output Modes**
  - Color: grayscale, monochrome

- **Image Formats**
  - Monochrome: TIFF, PDF, Encrypted PDF, JPEG
  - Color: GrayScale, JPEG, PDF, Encrypted PDF, XPS, Internet Fax, TIFF-FX, FIT-FX, FIT-S

- **Compression**
  - Monochrome Scanning: Uncompressed, JFIF, G4 (MMR/MMP)
  - Color/GrayScale: JPEG (high, middle, low)

- **Scan to Function**
  - Email, Desktop, FTP, Folder, SMB, USB, Internet Fax (option), Super G3 fax (option)

- **B&W Super G3 Fax Kit (Option)**
  - **Transmission Mode**
    - Super G3, Gro
  - **Modern Speed**
    - 33.6 Kbps
  - **Compression**
    - JBIG, MM, MH
  - **Methods**
    - Sheet fed simplex or duplex or book

- **Max Transmit Resolution**
  - 400 dpi

- **Transmit Speed**
  - Approximately 2 seconds with Super CSUBJ+2

- **Auto Duplexing**
  - Up to 999 (combined scan destinations)

- **Group Dial**
  - Up to 500

- **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 - Continued**

- **Long Length**
  - Up to 13.5” (for transmission)

- **Originals**
  - Programs: 48 (combined)

- **Memory**
  - 8 MB (Exclusive)

- **Halftone**
  - 256 levels

- **Features**
  - Quick-on-line transmission, direct transmission, F-Code transmission/reception, rotation transmission, anti-junk fax reception, automatically staple received faxes, secure fax transmission, out-of-paper memory reception, auto redial, duplicate 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/Punch/pre-cut/Collated/Preprinted paper

- **Slipping Positions**
  - Single corner position

- **Power Source**
  - 220VAC/50 Hz (Europe), 100-240VAC (rest of the world)

- **Slipping Size**
  - 30 sheets Letter/Legal

- **Slipping Sets**
  - Up to 1000 (Letter/Legal)

- **Weight**
  - Approx. 19.8 lbs

- **Dimensions**
  - 20-1/2” (w) x 13-1/16” (d) x 6-3/16” (h)

**Optionale Equipment**

- **MX-BTX1**
  - Business Card Feeder

- **MX-FN12**
  - Inner Finisher

- **MX-CAB**
  - Base Plate with locking casters

- **MX-DAB**
  - 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-SP1(10xBPS))

- **MX-SP1(BPS)**
  - Expansion Memory 1 GB (Required for MX-PUX1)

- **MX-FPX1**
  - Bar Code Font Kit

- **MX-FPS**
  - Commercial Data Security Kit

- **MX-PXX3**
  - Expansion Kit

- **MX-FX1**
  - Internet Fax Expansion Kit

- **MX-Amx1**
  - Application Integration Module

- **MX-Amx2**
  - Application Integration Module

- **MX-Amx3**
  - External Accounting Module

- **MX-Usx1**
  - Sharpdesk 1 License Kit

- **MX-Usx5**
  - Sharpdesk 5 License Kit

- **MX-Usx10**
  - Sharpdesk 10 License Kit

- **MX-Usx50**
  - Sharpdesk 50 License Kit

- **MX-Usx100**
  - Sharpdesk 100 License Kit

- **Supplies**
  - MX-C40NTB**
    - Black Toner Cartridge
  - MX-C40NCT**
    - Cyan Toner Cartridge
  - MX-C40NTM**
    - Magenta Toner Cartridge
  - MX-C40NTY**
    - Yellow Toner Cartridge
  - MX-C40NB**
    - Black Developer
  - MX-C40NC**
    - Cyan Developer
  - MX-C40NM**
    - Magenta Developer
  - MX-C40NY**
    - Yellow Developer
  - MX-C40NB**
    - Black Drum Cartridge
  - MX-C40NBS**
    - Color Drum Cartridge
  - MX-C311B**
    - Toner Collection Container
  - MX-SCX1**
    - Staple Cartridge

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