SCAN-CENTRIC

OUT OF THIS WORLD FEATURES

INNOVATION Precision engineered to meet the demanding needs of today's workflow-intensive environments, the **Sharp Frontier Scan-Centric series** brings scanning and integration to a whole new level. Enabled with **Scan²™ Technology** and the award-winning **Sharp OSA® platform**, the **MX-C402SC and MX-B402SC** offer highly advanced scanning capabilities, providing impressive automated workflow processing and streamlined workgroup productivity. For **true versatility** in accommodating diverse scanning and copying needs, the Scan-Centric series single pass document feeder is also equipped with **dual scanning paths**, capable of feeding heavy media such as **plastic ID or business cards**. To help stay ahead of today's fast-paced office document distribution needs, the l**arge touch screen color displa**y simplifies operation through an **intuitive graphical user interface**, while the full-size **retractable keyboard** puts data entry right at your fingertips. Built on the same cutting-edge engine design as the Frontier series MFPs and printers, the **MX-C402SC and MX-B402SC** merge the **multifunctional power** of standard A3 copiers with the convenience and simplicity of single-function printers, and the **document handling capabilities** of single-function scanners. The Sharp Frontier series: more power with less complexity, so you can **work without limits.**

TRUE MULTI-TASKING

SCAN² TECHNOLOGY

DUAL SCAN PATHS

PLASTIC CARD FEEDING

RETRACTABLE KEYBOARD

SHARP OSA® TECHNOLOGY

- Vivid color† and crisp black-and-white documents can be quickly produced at speeds up to 40 pages per minute and at print resolutions up to 1200 x 1200 dpi.

- Powerful controllers for true multi-tasking performance and superior multi-functional productivity.

- High performance Duplex Single Pass Feeder empowered with Scan² technology offers unparalleled reliability and supports full-color scanning.

- Dual scanning paths provide the versatility to scan and copy diverse media types: a curved path for regular paper, and a straight path for feeding heavy media, such as plastic ID cards and business cards.

- Retractable QWERTY keyboard allows for easy and convenient data entry for document distribution and retrieval.

- Sharp's ImageSEND™ technology helps securely scan documents to seven types of destinations at speeds up to 50 images per minute.

- Sharp's easy-to-use Document Filing System provides up to 50 GB of hard drive space for fast document storage and retrieval, with thumbnail view and image preview capabilities.

- Large high-resolution, touch screen color display with intuitive graphical user interface makes advanced multi-function features easy to use.

- The optional, space-saving Inner Finisher not only provides exceptional productivity, but also automates time-consuming tasks such as stapling, sorting and offset stacking.

- Standard third-generation Sharp OSA development platform enables users to access network applications, helping to reduce redundancy and streamline workflow.

- Supports Sharp's latest award-winning multi-level document and network security suite, which conforms to the IEEE-2600™−2008 security standard for MFP devices.*

†*Color printing and copying available only on MX-C402SC.*
*Some features may require optional equipment and/or software.

MX-C402SC/MX-B402SC SPECIFICATIONS

Main Specifications

MX-C402SC MX-B402SC	Includes multi-tasking controller, Standard Copying, PostScript® 3/PCL™ 6, Network Printing, Network Scanning, 100-sheet Scan² DSPF, retractable QWERTY keyboard, 80 GB HDD with Document Filing system, W-VGA color touch panel, Auto Duplex, 500-sheet paper drawer and 100-sheet bypass, Sharp OSA® Application Communication & External Accounting modules.
Type:	MX-C402SC: Color multi-function digital document system MX-B402SC: Monochrome 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/White LED
Originals	Sheets, plastic cards, business cards, 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	40 ppm (Letter)
Multiple Copy	Max: 999 copies

First Copy Time	MX-C402SC (Color)	MX-C402SC (B&W)	MX-B402SC
Platen Glass	8.5 seconds[2]	6.5 seconds[2]	6.5 seconds[2]
DSPF	9.5 seconds[2]	8.0 seconds[2]	8.0 seconds[2]

Warm-Up Time	MX-C402SC: 90 seconds or less MX-B402SC: 45 seconds or less
Magnification	50% to 200% in 1% increments (50 - 200% for DSPF)
Original Feed	Up to 100-sheet (paper) or approx. 1/2" stack (plastic card/business card) DSPF
Scan Speed	Copy mode: Up to 50 ipm @ 600 X 300 dpi Scan mode: Up to 50 ipm @ 200 x 200 dpi
Original Sizes	8-1/2" x 14" to 5-1/2" x 8-1/2", A4 to A5, 2-1/8" x 3-3/8" (card size), 3" x 6-1/8" (check size)
Original Weights	1-sided: 9-13 lb. bond (thin paper), 13-32 lb. bond (plain paper), 129-280g/m² (heavy paper); 2-sided: 13-32 lb. bond (regular paper), 129-280g/m² (heavy paper); Plastic card: 0.84mm thickness or less
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)[3]
Paper Types	Paper drawers: 16-28 lb. bond. Other types include: plain, pre-printed, recycled, pre-punched, letterhead, and color paper. Bypass Tray: 15-16 lb. (thin paper), 16-28 lb. bond (plain paper), 28 lb. bond-110 lb. index (heavy paper), 20-24 lb. (Monarch, Com-10, DL, and C5 envelopes). Other types include: label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper, and OHP film.
Duplexing	Standard automatic duplex copying, printing, and scanning
CPU	MX-C402SC: Power QUICCIII-MPC8533E/1GHz MX-B402SC: 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	MX-C402SC: Standard 512 MB (copier), 1 GB (printer/network scanning) MX-B402SC: Standard 512 MB (copier), 512 MB (printer/network scanning)
Hard Disk Drive	80 GB; 38 GB Main Folder/12 GB Custom/Quick Folder Document Filing System and electronic sorting
Copy Resolution	600 dpi
Exposure Photo, Control	Auto Modes: Text, Text/Printed-Photo, Text/Photo, Printed-Photo, Map, Light Original Settings: Auto exposure control or 9 step manual exposure
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once-Print-Many, electronic sorting, offset stacking[1], Auto Exposure Selection (AES), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), Auto Tray Switching (ATS), Auto Shut-Off (ASO), rotation copy, reverse copy, pamphlet copy, margin shift, edge erase, preview, OHP insertion, job build, card shot, reverse image, black-white reversal, centering, proof copy, 2-in-1, 8 business cards layout, photo repeat, original count, document filing, account management, job programs, date/character/page stamp
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp, Copy, Print, Scan, Fax and Document Management
Output Tray Capacity	Main output tray (top): 250 sheets (face down) Heavy output tray (side): Approx. 1/2" stack (face up)
Firmware Management	Flash ROM with local (USB); network update capability and firmware update 1 to N with Sharp Remote Device Manager (SRDM)
Configuration Method	Web-based management system with user/administrator level login security, cloning (1 to N) with Sharp Remote Device Manager (SRDM) and Remote Front Panel access
Service/ Maintenance	Sharp Remote Device Manager (SRDM) and Remote Front Panel access to service logs, click counts, diagnostic data, and service alerts.
Power	AC 100-127 VAC, 60Hz, 12A
Power Consumption	Max: 1.44kW or less
Weight	MX-C402SC: Approx. 127.6 lbs. (base model) including supplies MX-B402SC: Approx. 107.8 lbs. (base model) including supplies
Dimensions	22-3/64" x 19-29/64" x 31-1/16"

Network Printing System (Standard)

PDL	MX-C402SC: PCL5c, PCL6, PostScript 3 compatible, XPS[1] MX-B402SC: PCL5e, PCL6, PostScript 3 compatible, XPS[1]
Resolution	1200 dpi, 600 dpi
Print Speed	40 ppm (Letter)
Print Drivers	CD-ROM: Windows 2000, Windows XP, Windows Server® 2003, Windows Vista®, Windows 7, Windows Server 2008, MAC OS® OS-X (including 10.4.11, 10.5-10.5.8, 10.6-10.6.2), all MAC PPD. Via Download: Windows Server 2008R2, MAC OS 9.0-9.2.2, OS-X 10.2.8, 10.3.9
Print Features	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/last page, blank page skip, 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.[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, Postscript and XPS[1] Methods: FTP, Web Page, E-mail and USB Memory
Resident Fonts	80 outline fonts
Interface	RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T
Operating Systems	Windows 2000, XP, Server 2003/2008, Vista, 7, MAC OS-9.0, MAC OS-X, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, UNIX, Linux, 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	Platen Glass: 8-1/2" x 11" DSPF: 8-1/2" x 19-5/8" (long-size mode)
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
Scan Modes	Color, monochrome, grayscale
Scan Features	Scan² technology, plastic/business card feeding, card shot, job build, original count, blank page skip, preview, drop out color, suppress background, timer transmission
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
Program	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® document management software (1 user license) Sharp OSA® development platform

B&W Super G3 Fax Kit (Option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[4]
Compression Methods	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max Transmit Resolution	400 dpi
Transmit Speed	Approx. 2 seconds with Super G3/JBIG[5]
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
Long Length Originals	Up to 19-5/8" (for transmission)
Programs	48 (combined)
Memory	8 MB (exclusive)
Halftone	256 levels
Fax Features	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, timer 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), 20 envelopes
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" x 13-1/16" x 6-3/16" When tray is extended: 20-1/2" x 13-1/16" x 6-3/16"

Optional Equipment

MX-FN12	Inner Finisher
MX-CSX1	500-sheet Paper Feed Unit for Tray 2
MX-CSX2	500-sheet Paper Feed Unit for Trays 3 & 4
MX-DS13	Base Plate
MX-DS14	Stackable Cabinet
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-FXX3	Fax Expansion Kit
MX-FWX1	Internet Fax Expansion Kit
DVENDFS	Vendor Cable Kit
DCL310S	CAC External Option
MX-FR27U	Commercial Data Security Kit (MX-B402SC)
MX-FR28U	Commercial Data Security Kit (MX-C402SC)
MX-CFCRM1	Card Reader Mounting Kit
MX-AMX1	Application Integration Module

Supplies MX-C402SC

MX-C40NTB	Black Toner Cartridge
MX-C40NTC	Cyan Toner Cartridge
MX-C40NTM	Magenta Toner Cartridge
MX-C40NTY	Yellow Toner Cartridge
MX-C40NVB	Black Developer Cartridge
MX-C40NVC	Cyan Developer Cartridge
MX-C40NVM	Magenta Developer Cartridge
MX-C40NVY	Yellow Developer Cartridge
MX-C40NRB	Black Drum Cartridge
MX-C40NRS	Color Drum Cartridge
MX-C31HB	Toner Collection Container
MX-SCX1	Staple Cartridge (3 cartridges per carton)

Supplies MX-B402SC

MX-B42NT1	Black Toner Cartridge
MX-B42NV1	Black Developer
MX-C40NRB	Black Drum Cartridge
MX-B40HB	Toner Collection Container
MX-SCX1	Staple Cartridge (3 cartridges per carton)

[1] Some features may require optional equipment and/or software
[2] Specification may vary depending on product configuration, machine settings and operating and/or environmental conditions
[3] Paper capacity is based on letter size paper
[4] Actual transmission time will vary based on line conditions
[5] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution

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