

## OUT OF THIS WORLD FEATURES

# SCAN-CENTRIC



### 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 Scan<sup>2</sup>™ 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 large touch screen color display 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

### SCAN<sup>2</sup> TECHNOLOGY

### DUAL SCAN PATHS

### PLASTIC CARD FEEDING

### RETRACTABLE KEYBOARD

### SHARP OSA® TECHNOLOGY

- Vivid color<sup>†</sup> 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 Scan<sup>2</sup> 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.\*



<sup>†</sup>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

|                             |  |                 |              |
|-----------------------------|--|-----------------|--------------|
| <b>MX-C402SC</b>            | 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.  |                 |              |
| <b>MX-B402SC</b>            | 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.   |                 |              |
| <b>Type:</b>                | MX-C402SC: Color multi-function digital document system<br>MX-B402SC: Monochrome multi-function digital document system  |                 |              |
| <b>Functions</b>            | Copy, print, network print, network scan, component filing and fax¹  |                 |              |
| <b>Copy System</b>          | Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Heat Roller fusing/White LED  |                 |              |
| <b>Originals</b>            | Sheets, plastic cards, business cards, bound documents   |                 |              |
| <b>Max Original Size</b>    | 8-1/2" x 14"   |                 |              |
| <b>Copy Size</b>            | Min: 5-1/2" x 8-1/2", Max: 8-1/2" x 14"  |                 |              |
| <b>Copy Speed</b>           | 40 ppm (Letter)  |                 |              |
| <b>Multiple Copy</b>        | Max: 999 copies  |                 |              |
| <b>First Copy Time</b>      | MX-C402SC (Color)  | MX-C402SC (B&W) | MX-B402SC    |
| <b>Platen Glass</b>         | 8.5 seconds²   | 6.5 seconds²    | 6.5 seconds² |
| <b>DSPF</b>                 | 9.5 seconds²   | 8.0 seconds²    | 8.0 seconds² |
| <b>Warm-Up Time</b>         | MX-C402SC: 90 seconds or less<br>MX-B402SC: 45 seconds or less   |                 |              |
| <b>Magnification</b>        | 50% to 200% in 1% increments (50 - 200% for DSPF)  |                 |              |
| <b>Original Feed</b>        | Up to 100-sheet (paper) or approx. 172" stack (plastic card/business card) DSPF  |                 |              |
| <b>Scan Speed</b>           | Copy mode: Up to 50 ipm @ 600 X 300 dpi<br>Scan mode: Up to 50 ipm @ 200 x 200 dpi   |                 |              |
| <b>Original Sizes</b>       | 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)   |                 |              |
| <b>Original Weights</b>     | 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   |                 |              |
| <b>Paper Feed System</b>    | Standard: 500-sheet paper drawer (Letter/Legal) and 100-sheet bypass tray (Letter/Legal)<br>Optional: Up to 3 additional 500-sheet paper drawers (Letter/Legal)³   |                 |              |
| <b>Paper Types</b>          | 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.   |                 |              |
| <b>Duplexing</b>            | Standard automatic duplex copying, printing, and scanning  |                 |              |
| <b>CPU</b>                  | MX-C402SC: Power QUICCIII-MPC8533E/1 GHz<br>MX-B402SC: Power QUICCIII-MPC8533E/800MHz  |                 |              |
| <b>Interface</b>            | RJ-45 Ethernet (10Base-T/100Base-TX/1000Base-T), USB 2.0 (Host Port), USB 2.0 (Device Port)  |                 |              |
| <b>Memory</b>               | MX-C402SC: Standard 512 MB (copier), 1 GB (printer/network scanning)<br>MX-B402SC: Standard 512 MB (copier), 512 MB (printer/network scanning)   |                 |              |
| <b>Hard Disk Drive</b>      | 80 GB; 38 GB Main Folder/12 GB Custom/Quick Folder Document Filing System and electronic sorting   |                 |              |
| <b>Copy Resolution</b>      | 600 dpi  |                 |              |
| <b>Exposure</b>             | Auto Modes: Text, Text/Printed-Photo, Text/Photo, Printed-Photo, Map, Light Original   |                 |              |
| <b>Photo, Control</b>       | Settings: Auto exposure control or 9 step manual exposure  |                 |              |
| <b>Halftone</b>             | 256 gradations/2 levels (monochrome)   |                 |              |
| <b>Copy Features</b>        | Scan-Once-Print-Many, electronic sorting, offset stacking¹, 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 |                 |              |
| <b>Account Control</b>      | Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp, Copy, Print, Scan, Fax and Document Management  |                 |              |
| <b>Output Tray Capacity</b> | Main output tray (top): 250 sheets (face down)<br>Heavy output tray (side): Approx. 1/2" stack (face up)   |                 |              |
| <b>Firmware Management</b>  | Flash ROM with local (USB); network update capability and firmware update 1 to N with Sharp Remote Device Manager (SRDM)   |                 |              |
| <b>Configuration Method</b> | 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   |                 |              |

|                            |  |
|----------------------------|--|
| <b>Service/Maintenance</b> | Sharp Remote Device Manager (SRDM) and Remote Front Panel access to service logs, click counts, diagnostic data, and service alerts. |
| <b>Power</b>               | AC 100-127 VAC, 60Hz, 12A  |
| <b>Power Consumption</b>   | Max: 1.44kW or less  |
| <b>Weight</b>              | MX-C402SC: Approx. 127.6 lbs. (base model) including supplies<br>MX-B402SC: Approx. 107.8 lbs. (base model) including supplies       |
| <b>Dimensions</b>          | 22-3/64" x 19-29/64" x 31-1/16"  |

## Network Printing System (Standard)

|                           |   |  |  |
|---------------------------|---|--|--|
| <b>PDL</b>                | MX-C402SC: PCL5c, PCL6, PostScript 3 compatible, XPS¹<br>MX-B402SC: PCL5e, PCL6, PostScript 3 compatible, XPS¹  |  |  |
| <b>Resolution</b>         | 1200 dpi, 600 dpi   |  |  |
| <b>Print Speed</b>        | 40 ppm (Letter)   |  |  |
| <b>Print Drivers</b>      | 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.<br>Via Download: Windows Server 2008R2, MAC OS 9.0-9.2.2, OS-X 10.2.8, 10.3.9  |  |  |
| <b>Print Features</b>     | 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.² |  |  |
| <b>Direct Printing</b>    | File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, Postscript and XPS¹<br>Methods: FTP, Web Page, E-mail and USB Memory   |  |  |
| <b>Resident Fonts</b>     | 80 outline fonts  |  |  |
| <b>Interface</b>          | RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T   |  |  |
| <b>Operating Systems</b>  | 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  |  |  |
| <b>Network Protocols</b>  | 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.  |  |  |
| <b>Printing Protocols</b> | LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell PServer/Rprinter   |  |  |
| <b>Network Security</b>   | IP/Mac address filtering, protocol filtering, port management, user authentication and document administration.   |  |  |
| <b>Security Standards</b> | IEEE 2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)   |  |  |

## Network Scanning System (Standard)

|                               |  |
|-------------------------------|--|
| <b>Max Original Size</b>      | Platen Glass: 8-1/2" x 11"   |
| <b>Size</b>                   | DSPF: 8-1/2" x 19-5/8" (long-size mode)  |
| <b>Optical Resolution</b>     | 600 dpi  |
| <b>Output Modes</b>           | 600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi  |
| <b>Scan Modes</b>             | Color, monochrome, grayscale   |
| <b>Scan Features</b>          | Scan² technology, plastic/business card feeding, card shot, job build, original count, blank page skip, preview, drop out color, suppress background, timer transmission |
| <b>Image Formats</b>          | Monochrome: TIFF, PDF, Encrypted PDF, XPS¹<br>Color/Grayscale: Color TIFF, JPEG, PDF, Encrypted PDF, XPS¹<br>Internet Fax: TIFF-FX, FIFF-F, TIFF-S¹                      |
| <b>Image Compression</b>      | Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR)<br>Color/Grayscale: JPEG (High, middle, low)<br>Internet Fax mode: MH/MMR (option)                               |
| <b>Scan Destinations</b>      | E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)  |
| <b>One-Touch Destinations</b> | Up to 999 (combined scan destinations)   |
| <b>Group Destinations</b>     | Up to 500  |
| <b>Program Destinations</b>   | 48 (combined)  |
| <b>Max. Jobs in Memory</b>    | Up to 94   |
| <b>Network Protocols</b>      | TCP/IP and SSL (Includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTMP and 802.1x  |
| <b>Network Security</b>       | E-mail server user authentication for LDAP and Active Directory  |
| <b>Software</b>               | Sharpdesk® document management software (1 user license) Sharp OSA® development platform   |

## B&W Super G3 Fax Kit (Option)

|                                |   |
|--------------------------------|---|
| <b>Transmission Mode</b>       | Super G3, G3  |
| <b>Modem Speed</b>             | 33.6 KBPS⁴  |
| <b>Compression Methods</b>     | JBIG, MMR, MR, MH   |
| <b>Scanning Method</b>         | Sheet fed simplex or duplex or book   |
| <b>Max Transmit Resolution</b> | 400 dpi   |
| <b>Transmit Speed</b>          | Approx. 2 seconds with Super G3/JBIG⁵   |
| <b>Auto Dialing</b>            | Up to 999 (combined scan destinations)  |
| <b>Group Dial/Destinations</b> | Up to 500   |
| <b>Inbound Fax Routing</b>     | Forwards received fax data to E-mail, FTP, Desktop, SMB   |
| <b>Long Length Originals</b>   | Up to 19-5/8" (for transmission)  |
| <b>Programs</b>                | 48 (combined)   |
| <b>Memory</b>                  | 8 MB (exclusive)  |
| <b>Halftone</b>                | 256 levels  |
| <b>Fax Features</b>            | 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)

|                           |   |
|---------------------------|---|
| <b>Type</b>               | Built-in Finisher   |
| <b>Output Capacity</b>    | Up to 280 sheets (Letter/Legal), 20 envelopes                                       |
| <b>Output Delivery</b>    | Face down   |
| <b>Stapling Media</b>     | Plain/Thin/Heavy/Recycled/Letterhead/Pre-punched/Colored/Preprinted paper           |
| <b>Stapling Positions</b> | Single corner position  |
| <b>Power Source</b>       | Supplied from the main unit   |
| <b>Stapling</b>           | 30 sheets Letter/Legal  |
| <b>Stapled Sets</b>       | 10 bundles or 300 sheets (Letter/Legal)   |
| <b>Weight</b>             | Approx. 19.8 lbs.   |
| <b>Dimensions</b>         | 18-2/3" x 13-1/16" x 6-3/16"<br>When tray is extended: 20-1/2" x 13-1/16" x 6-3/16" |

## Optional Equipment

|                    |  |
|--------------------|--|
| <b>MX-FN12</b>     | Inner Finisher                               |
| <b>MX-CSX1</b>     | 500-sheet Paper Feed Unit for Tray 2         |
| <b>MX-CSX2</b>     | 500-sheet Paper Feed Unit for Trays 3 & 4    |
| <b>MX-DS13</b>     | Base Plate                                   |
| <b>MX-DS14</b>     | Stackable Cabinet                            |
| <b>MX-PUX1</b>     | XPS Expansion Kit (Requires MX-SHP1GBXP)     |
| <b>MX-SHP1GBXP</b> | Expansion Memory 1 GB (Required for MX-PUX1) |
| <b>AR-PF1</b>      | Bar Code Font Kit                            |
| <b>MX-FXX3</b>     | Fax Expansion Kit                            |
| <b>MX-FWX1</b>     | Internet Fax Expansion Kit                   |
| <b>DVENDFS</b>     | Vendor Cable Kit                             |
| <b>DCL310S</b>     | CAC External Option                          |
| <b>MX-FR27U</b>    | Commercial Data Security Kit (MX-B402SC)     |
| <b>MX-FR28U</b>    | Commercial Data Security Kit (MX-C402SC)     |
| <b>MX-CFCRM1</b>   | Card Reader Mounting Kit                     |
| <b>MX-AMX1</b>     | Application Integration Module               |

## Supplies MX-C402SC

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

## Supplies MX-B402SC

|                  |  |
|------------------|--|
| <b>MX-B42NT1</b> | Black Toner Cartridge                      |
| <b>MX-B42NV1</b> | Black Developer                            |
| <b>MX-C40NRB</b> | Black Drum Cartridge                       |
| <b>MX-B40HB</b>  | Toner Collection Container                 |
| <b>MX-SCX1</b>   | 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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