SHARP

MX-2010U
Digital Full Colour Multifunctional System

Be Colour Forward—Make the Switch to a Compact, Full-Colour Solution

ENERGY STAR

COPY | NETWORK PRINT | NETWORK SCAN | SHARPDESK | FAX OPTION

Get the Colour-Capable Advantage

There's no easier way to add impact to business communications than with the high-quality colour of the MX-2010U. This compact, energy-efficient A3 MFP provides all the essential copy, print, and network scan functions—in full colour—as well as a convenient fax option.

The productivity-boosting MX-2010U delivers fast 20-page-per-minute output in both colour and B/W and offers superb print quality via the upgraded second-generation Mycrostoner-HG. The optional 100-sheet RSPF (reversing single pass feeder) enhances the effectiveness of the MX-2010U's built-in stackless duplex module. And the HDD option brings greater efficiency by enabling such advanced functions as integrated document management for enhanced workflow, third-party creation of customised applications via the Sharp OSA (Open Systems Architecture) option, and reliable data protection via the Data Security Kit option.

In the way of energy-saving performance, the MX-2010U offers such eco advantages as a short warm-up time and low power consumption in standby mode. And for added convenience, the MX-2010U boasts a lightweight, space-saving frame.

Style, Function, and Ease of Use

The MX-2010U is an attractive, user-friendly addition to any workplace. Designed for easy navigation, the control panel features a 7.0-inch W-VGA touch-screen colour LCD that offers a choice of six screen colours and provides both thumbnail display and data file previews.

PRODUCTIVE

Super-Efficient Colour and B/W Output [COPY PRINT]

The tandem printing engine with four in-line drums helps the MX-2010U deliver a fast output of **20 cpm/ppm*** in full colour and in B/W. And the first copy comes out in just **10.2 seconds** in full colour and **8.8 seconds** in B/W. What's more, its short, straight paper path minimises misfeeds to save you paper and toner costs.

* A4 (8 1/2" x 11"), long-edge feeding

20 CPM PPM **20 CPM PPM**

Productive Collated Output from Memory [COPY PRINT]

The MX-2010U's Scan Once/Print Many function only requires a single scan of a multi-page original for copying, and the RIP Once/Print Many function only needs to download print data once from the PC for printing. The machine then automatically saves the data into memory and outputs **collated** sets of copies or printouts in the proper page order (electronic sorting), with each set **offset stacked** for easier retrieval.

Multi-page original is scanned… (or print data sent from PC)   stored in memory in proper page order…   …and stacked offset

Built-In Stackless Duplex Module [COPY PRINT]

The MX-2010U can make **two-sided copies and printouts** using its built-in stackless duplex module, effectively reducing paper costs as well as saving filing space. Duplex copying is even more effective when the duplex module is used together with the optional **100-sheet RSPF** (reversing single pass feeder), which efficiently feeds in either one- or two-sided originals.

Job Build for Large-Volume Scanning [COPY]

The MX-2010U easily handles large-volume copy jobs exceeding the RSPF's 100-sheet*[1] capacity. For example, a 270-sheet original can be scanned as batches of 100 + 100 + 70 sheets and automatically stored on the MX-2010U's hard disk*[2]. Users can then print the entire document in a single run.

*1: A4 (8 1/2" x 11"), 80 g/m2
*2: Requires optional MX-HD10. The number of pages that can be stored for the Job Build function depends on the machine's HDD capacity and other conditions.

Automated Finishing [COPY PRINT]

The MX-2010U automates time-consuming finishing tasks and makes it easy to create professional-looking booklets. For a consistent, polished look, the **chapter divide*** function prints documents so that all chapters begin on odd-numbered pages or all begin on even-numbered pages. A space-efficient **Finisher** is available for jobs that require sorting and stapling. And, an optional **Punch Module** allows you to punch holes in documents for easy filing.

* Requires optional MX-HD10 and MX-PB14.

Job Finishing Options

Stapling   Hole punching
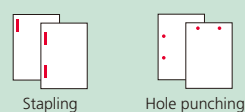
Large Paper Capacity [COPY PRINT]

For high-volume work, the MX-2010U can accommodate an optional stand with 3 x 500-sheet paper drawers for a total capacity of **2,100 sheets**. When a tray runs out of paper, the **Auto Tray Switching** function automatically switches to another paper tray filled with the same size paper, allowing you to do extra-large volume jobs without worry.

Network Tandem Function* [COPY PRINT]

When two MX-2010Us are connected to the same office network, you can use both simultaneously to double copying/printing output to up to **40 cpm/ppm**. Large-volume jobs can be completed with ease, enabling you to meet tight deadlines.

* Requires optional MX-HD10 and MX-PB14.

Convenient Copy Previews* [COPY]

To prevent errors in copying, the MX-2010U shows previews of copy jobs on its LCD before actually executing them. And with previews, it's easy to confirm finishing options, scan settings, and other such items.

* Requires optional MX-HD10.

2-in-1 copying (preview)

NETWORK-READY

Supports Most Office Environments [PRINT]

• The MX-2010U works as a network printer with the latest and most commonly used operating systems and network protocols, including **IPv6**, and even in mixed OS environments. You get fast, powerful network printing via the 1000Base-T **Gigabit Ethernet** standard.

• The MX-2010U supports the **PCL6** printer language.* For compatibility with **PostScript 3**, the MX-PK11 PS3 Expansion Kit is available.*
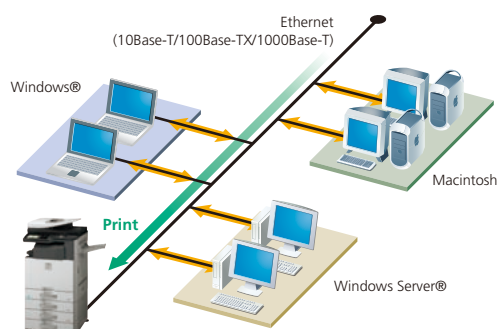
  * Requires optional MX-HD10 and MX-PB14.

Ethernet (10Base-T/100Base-TX/1000Base-T)

Windows®

Macintosh

Print

Windows Server®

TING

SUPERB PRINT QUALITY

Improved Imaging System `COPY` `PRINT`

Sharp thoroughly revamped its imaging process for the MX-2010U; now a high-performance processor, a new developer, and the second-generation **Mycrostoner-HG** (High Grade) combine to provide breathtaking image quality. The new toner expands the colour reproducibility range for a more natural rendering of clear blue skies, emerald green oceans, and other colour images. And the smaller particle size of the toner and the developer allows for reduced graininess and clear reproduction of fine lines, fine text, and halftone colours.

Crisp, Clear Text and Images `COPY` `PRINT`

Employing digital smoothing technology enhances the print resolution to the equivalent of **9,600 x 600 dpi** for incredibly smooth reproduction of fine lines. Fine-grained photographs, detailed illustrations and graphs, and small text come out crisp and clear.
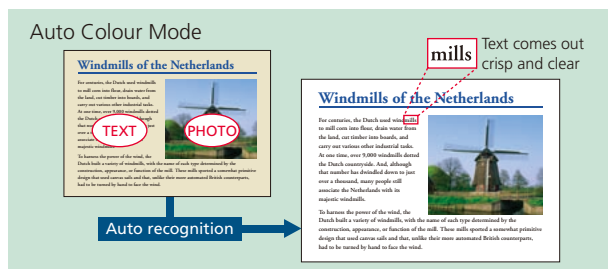
High-Quality Page Description Language `PRINT`

To ensure high-quality image processing, the MX-2010U uses Sharp's original **SAPL-c** (Sharp Advanced Printing Language-c), a new page description language (PDL) that delivers superb performance and print quality. The MX-2010U is also compatible with PCL6 and PS3 (option).

Easy, High-Quality Copying `COPY`

Auto Colour Selection automatically determines whether a page is colour or B/W and selects the appropriate copy mode for that page. **Auto Colour Mode** analyses the contents of each page, distinguishing between different components, such as photos and text. These are what allow the MX-2010U to print out maps with crisp, clear text and to automatically remove the background colour on newspaper and magazine copies for clearer output.

Auto Colour Mode

Windmills of the Netherlands

TEXT PHOTO

Auto recognition

mills Text comes out crisp and clear

Windmills of the Netherlands

VERSATILE

USB Memory Direct Print* `PRINT`

One of the two USB ports on the MX-2010U is located at the front of the MFP beneath the control panel. It comes in handy when printing data directly from USB memory devices—an indispensable function for users who are in a hurry or who want quick machine access without a PC.

* Requires optional MX-HD10 and MX-PB14.

Versatile Paper Handling `COPY` `PRINT`

The MX-2010U accommodates a wide range of paper sizes, from **A5R (5 $^1/_2$" x 8 $^1/_2$"R)** to **A3 wide (12" x 18")**. When using an optional finisher or exit tray, you can do A3 (11" x 17") **full-bleed printing** onto **A3-wide (12" x 18")** paper, without loss of image area. And the MX-2010U can handle heavy paper stock up to **256 g/m^2**, overhead transparencies, and other types of paper, further expanding the range of printing applications.

Image Editing Functions `COPY`

The MX-2010U includes colourful editing functions made possible by digital technology.

- **Multi-Page Enlargement** divides an image onto separate sheets for making posters up to A0 x 2 (44" x 68") in size.
- **Photo Repeat** places multiple copies of an image onto a single sheet.
- **Mirror Image** makes a reverse image of the original.
- **XY Zoom** adjusts the horizontal and vertical ratios independently.
- **B/W Reverse** reverses the black and white of an image.
Please see specifications for a list of available convenient functions.

Various Copy/Print Applications `COPY` `PRINT`

Copy & Print

- **Watermark***[1] prints a user-selected watermark, such as "Urgent," on each page to indicate the status of the document
- **Tab Copy / Tab Print***[2] can copy or print directly onto tabs on document separators and insert them into assigned positions.
- **Multi-Shot** copying and **N-up** printing
- **Pamphlet Style** copying/printing
- **Cover/transparency** insertion
  *1: Requires optional MX-HD10. *2: Tab print requires optional MX-HD10 and MX-PB14.

Print

- **Direct Print***[1] allows **PDF***[2], **TIFF**, **JPEG**, or **XPS***[3] files to be printed without using the printer driver or opening applications
- **Carbon Copy Print** mode automatically outputs multiple printouts of the same data on plain and/or coloured paper; convenient for invoices and purchase orders.
- **Form Overlay** can store office document formatting such as letterheads and overlay contents in colour, eliminating the need for pre-printed paper.
- **Barcode font** compatibility*[4]
  Note: The above functions require optional MX-HD10 and MX-PB14.
  *1: Direct printing may not support all PDF, TIFF, JPEG, and XPS formats. *2: Direct PDF printing requires optional MX-PK11. *3: Direct XPS printing requires optional MX-PUX1 and MX-SM10. *4: Requires optional MX-PF10.

Copy

- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
- **Card Shot** enables one-touch copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.
- **Colour Stamp** labels your copies with page numbers, the date or text such as "Urgent" in up to four different colours.
- **Mixed Size Original Copy** mode automatically distinguishes documents of mixed sizes* (such as A3/B4, B4/A4, etc.) fed through the RSPF and chooses the appropriate paper.
  * Some restrictions apply when combining paper sizes of different format series.

A3 Colour Network Scanning `SCAN`

The MX-2010U works as a **full-colour network scanner**. Converting any type of paper-based document, up to A3 (11" x 17") in size, into an editable digital file is as easy as making a copy. The MX-2010U supports TIFF, PDF, encrypted PDF, XPS, and JPEG file formats. Enhanced scan performance improves the legibility of extremely fine text and allows vivid colour reproduction in scanned documents. And **Auto Colour Selection** chooses the right mode for scanning originals containing both colour and B/W pages (see page 4).
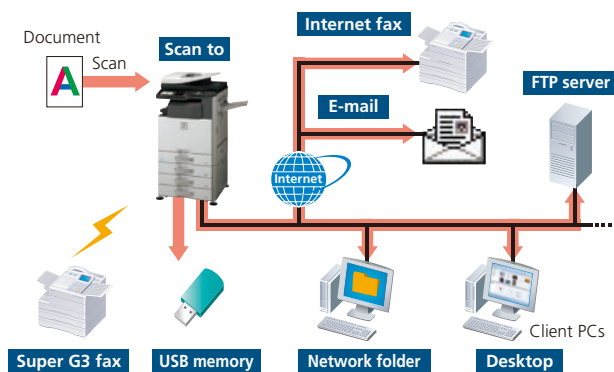
Quick Scanning `SCAN FAX`

For both colour*[1] and B/W documents, the MX-2010U carries out scanning at the impressive speed of **50 opm***[2] (originals per minute) and can complete large scan jobs with ease and efficiency.

*1: Faxing is available in B/W only. *2: Single-side scanning

Multiple Distribution of Scanned Files `SCAN FAX`

With the touch of a few buttons, you can choose different ways to distribute your scanned documents. **Scan to E-mail** sends documents as an e-mail attachment. **Scan to FTP Server** scans documents directly to an FTP server for storage. **Scan to Desktop** sends scanned documents directly to your PC desktop. **Scan to Network Folder (SMB)** sends files to a shared folder on a networked Windows PC. **Scan to USB Memory** scans documents directly to USB memory devices. And **Scan to Fax** enables conventional faxing or Internet faxing.

Document | Scan to | Internet fax | FTP server
E-mail | Internet
Super G3 fax | USB memory | Network folder | Desktop | Client PCs

LDAP Support `SCAN FAX`

Built-in LDAP (lightweight directory access protocol) support eliminates the need to enter or register full addresses. By entering the first few letters of the recipient's name, the MX-2010U displays a list of possible matches from your company's LDAP server. Selected addresses can be stored to the MX-2010U's address book.

High-Speed Faxing `FAX`

The optional MX-FX11 Fax Expansion Kit turns the MX-2010U into a 33.6 Kbps **Super G3 fax**. Using JBIG compression technology, the MX-2010U can send an A4 (8 1/2" x 11") size page in under 3 seconds*. Use the 100-sheet RSPF to further boost faxing efficiency. And, because **Quick On-Line Transmission** can start dialling and transmitting as soon as the first page is scanned into memory, you can send documents in **much less time**.

* Based on Sharp's standard chart with approximately 700 characters (A4 or 8 1/2" x 11" long-edge feeding) at standard resolution.

Automated Fax Finishing `FAX`

The MX-2010U eliminates the need to copy and staple received faxes by hand. Simply use the Fax Output setting on the LCD control panel to designate the number of copies. With finishing options installed, the MX-2010U will even automatically staple these documents for you.

Output settings for received faxes

| A | A | A B |

PC-Fax/PC-Internet Fax `FAX`

Directly send a document created on your PC to a recipient's fax machine via a phone line or the Internet without printing to paper. Save time and paper costs while retaining original document quality.

Note: PC-Internet Fax requires optional MX-HD10 and MX-FWX1; PC-Fax requires MX-FX11.

Internet Fax `FAX`

Economically send and receive faxes to and from other ITU-T T-37-compliant Internet fax machines via the Internet. The MX-2010U supports **Direct SMTP**; outgoing Internet faxes do not go through your mail server, making transmission faster and cheaper.

Note: Requires optional MX-HD10 and MX-FWX1.

Paperless Faxing with Inbound Routing `FAX`

Paperless faxing with inbound routing lets you check incoming faxes via e-mail before printing. It can also forward incoming faxes to an FTP server, a network folder (SMB), or a PC desktop. Files can be saved in either PDF or TIFF (single/multi).

Note: Requires optional MX-HD10.

Skip Blank Page Function `SCAN`

When scanning and sending a multi-page document, the MX-2010U automatically recognises and skips over any pages without content, reducing both data size and transmission time.

Other Key Features

Scan & Fax

- **One-touch auto dial keys** register up to **1,000** numbers for frequently used destinations
- **Broadcast transmission** to up to 500 destinations
- **Programme keys** (up to 48 keys) are available to set up frequently used transmissions for instant recall
- **Easy text entry*** lets you enter addresses, file names, subject titles or messages from the LCD control panel
  * Only addresses can be entered for faxing.
- **Mixed size original scanning** automatically distinguishes documents of mixed sizes fed through the RSPF

Fax

- **Duplex transmission/reception** sends and prints out two-sided documents
- **SD memory card backup** ensures documents remain safely backed up in memory, even in the event of a power failure
- **Rotation transmission/reception** rotates incoming and outgoing faxes to match the direction of the printing paper
- **Fax destination confirmation** allows users to reconfirm fax numbers before sending to prevent transmission errors

SECURITY

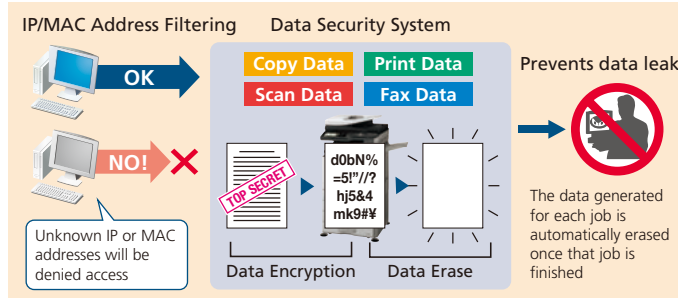## Industry-Leading Multi-Layered Security

With multiple levels of network and data security to cover a wide range of security needs, Sharp's industry-leading security solutions protect your business assets and bring peace of mind. The MX-2010U safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

Data Security Kit

Digital copier/printers or MFPs can retain hundreds of pages of confidential information from previous jobs on their hard disks or internal memory. To safeguard this information from unauthorised access, the optional **Data Security Kit** automatically **encrypts and erases** the data after each job is complete as well as data stored both on the hard disk and in the address book.

Note: Requires optional MX-HD10.

IP/MAC Address Filtering

OK

NO! ✕

Unknown IP or MAC addresses will be denied access

Data Security System

| Copy Data | Print Data |
| Scan Data | Fax Data |

TOP SECRET → d0bN%=5!"//?hj5&4mk9#¥

Data Encryption   Data Erase

Prevents data leak

The data generated for each job is automatically erased once that job is finished

Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential image data, the MX-2010U enables users to password protect and encrypt PDF data. By setting a password when scanning, users can transmit a PDF over the network in encrypted format. Then, after transmission, viewers will only gain access to the encrypted PDF after successfully re-entering the chosen password.

Note: Direct printing of encrypted PDF files requires optional MX-HD10, MX-PB14, and MX-PK11.

Document Control Function

Document Control prevents unauthorised copying, scanning, faxing, and filing of confidential documents. This is how it works: the MX-2010U embeds copy prevention data onto a document when it is first copied or printed. It will then detect this data the next time someone tries to make a copy of the document. Any unauthorised attempts to copy a Document Controlled-document will simply be cancelled or result in the output of a blank page.

Note: Requires optional MX-HD10 and Data Security Kit. May not work for certain types of documents or paper.

Example: Unauthorised copying

ABC →

Confidential document with copy prevention data

Unauthorised attempt to make a copy

Results in a blank page
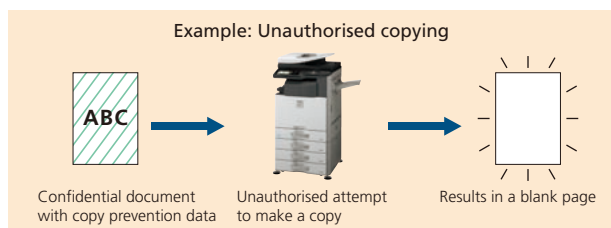
Data Initialisation

The MX-2010U's initialisation function allows confidential information to be erased at the administrator's discretion via the MFP's system setting. Initialising an MFP when it's taken out of service prevents important resources, such as customer information and intellectual property, from leaking out and provides considerable peace of mind.

Secure Network Access

The MX-2010U's **IP/MAC address filtering** function provides highly secure operation by restricting access to the MX-2010U on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MX-2010U. Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use. The MX-2010U also supports the **IEEE 802.1X** standard for port-based network access control, which blocks all access from unauthorised devices.

Secure Sockets Layer

SSL (secure sockets layer) enables the encryption of data communications to prevent data leakage through the network when printing via IPP, browsing secure Web pages (HTTPS), or communicating via e-mail (SMTP and POP3) or FTP (FTPS).

User Authentication

The MX-2010U prevents unauthorised use by requiring **passwords** for machine access. This safeguarded solution can register up to 1,000 users in **three access levels** as Administrator, User, or Guest and can designate to which function user authentication applies. The MX-2010U can, for example, be set to allow B/W copying by all users while restricting colour copying to designated users. And the MX-2010U works with an **external Active Directory server** to extend user authentication to multiple MFPs and a greater number of users.

User authentication

IPv6 and IPsec Support

The MX-2010U supports the **IPv6** Internet protocol. An obligatory part of IPv6 is **IPsec** (IP Security), a set of protocols for securing Internet protocol (IP) communications. IPsec encrypts and authenticates traffic between specified parties, giving IPsec-compatible products an extremely high level of network security.

Scan to Me Function

Scan to Me lets a logged-in authorised user send scanned data to his/her own e-mail address simply by pressing the start button. This eliminates the need to manually enter or select the address, thereby preventing documents from being sent to the wrong address.
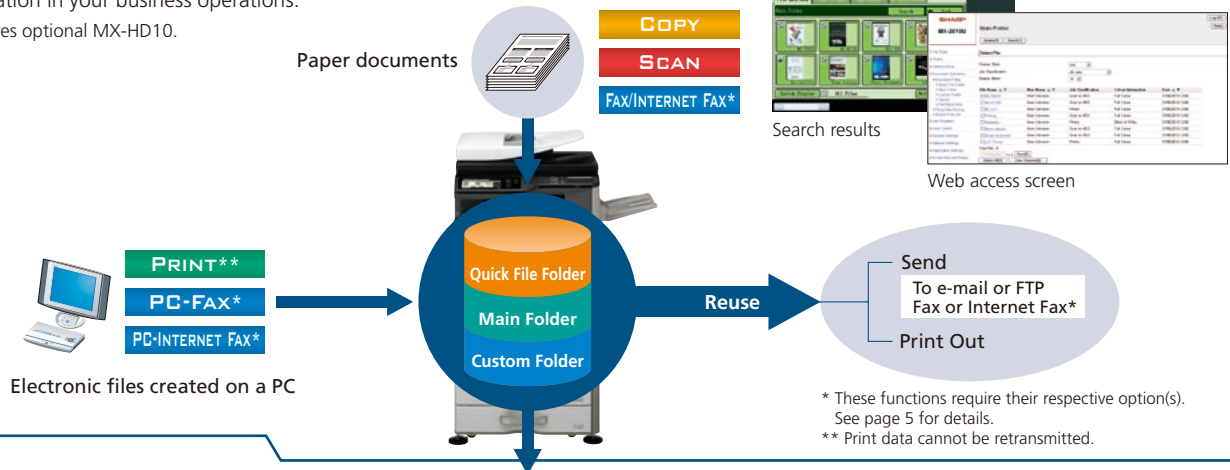
DOCUMENT MANAGEMENT

Document Management on the Hard Disk

You can save processed job data in designated folders on the MX-2010U's hard disk*, making it easy to instantly recall saved documents or jobs for printing and sending at a later time. This contributes greatly to efficient sharing and distribution of information in your business operations.

* Requires optional MX-HD10.

Paper documents

COPY
SCAN
FAX/INTERNET FAX*

PRINT**
PC-FAX*
PC-INTERNET FAX*

Electronic files created on a PC

Quick File Folder
Main Folder
Custom Folder

Reuse

Easy Access to Stored Files

Documents stored on the hard disk can be quickly and easily searched and accessed from the control panel's LCD via thumbnail displays and file previews or through a Web browser.

Search results

Web access screen

Send
To e-mail or FTP
Fax or Internet Fax*
Print Out

* These functions require their respective option(s). See page 5 for details.
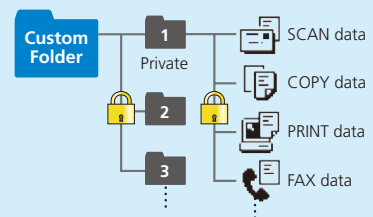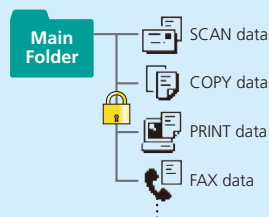** Print data cannot be retransmitted.

Quick Filing

Up to **10,000 pages** or 3,000 files[1] that have been copied, printed, scanned, or faxed[2] can be stored by job on the hard disk in a Quick File Folder. You can easily reuse saved data without having to reload or rescan the original.

Quick File Folder
— SCAN data
— COPY data
— PRINT data
— FAX data
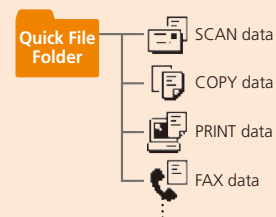
Advanced Filing Function

Up to **20,000 pages** or 3,000 files[1] that have been copied, printed, scanned, or faxed[2] can be stored by job on the hard disk in up to 1,000 folders with customised names and locations. Enhanced security features require users to enter a 5- to 8-digit password to access secure folders, protecting your sensitive data. Storage options include:

• Main Folder – You can store processed files by user name in the main public folder and share them across the workgroup. Any file name and a PIN code can be assigned to each saved job.

• Custom Folder - Up to 1,000 private folders (named as desired) can be created within the Custom Folder. When saving a file in a private folder, any file name can be assigned. A PIN code can be applied to both private folders and files.
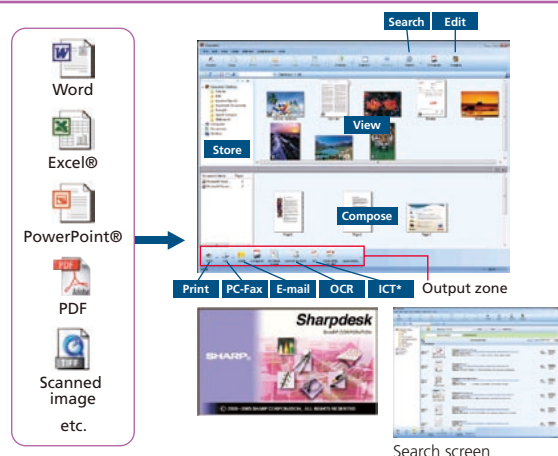
Main Folder
— SCAN data
— COPY data
— PRINT data
— FAX data

Custom Folder
1 Private
2
3
— SCAN data
— COPY data
— PRINT data
— FAX data

*1: Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function; up to 14GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
*2: For fax and Internet fax jobs, only transmitted data (not received faxes) can be saved in the Document Filing function.

Sharpdesk for Total Document Management

Sharpdesk is an original Sharp application that provides integrated desktop management of documents in over **200 file formats**, including scanned paper-based documents and those created with popular applications such as Word. It allows you to organise, edit, search, and distribute your documents, all with simple drag-and-drop operation.

• Intuitive desktop display features **thumbnail** viewing
• Sharpdesk Imaging provides **annotation** tools for paper-free proofreading
• Sharpdesk **Composer** combines different types of files into a single document
• **Optical character recognition** converts documents into editable text files
• **Output zone** distributes files to e-mail, printers, and other applications
• **File search** allows searching by file name, keyword, or thumbnail

Word
Excel®
PowerPoint®
PDF
Scanned image
etc.

Search | Edit
View
Store
Compose
Print | PC-Fax | E-mail | OCR | ICT* | Output zone

Search screen

* Image Compression Tool for converting images into compact PDF files

DEVICE MANAGEMENT

Integrated Device Management

The MX-2010U allows for easy programming of complex settings and makes it possible for a system administrator to manage multiple devices from a single location. The result is minimum time and effort and maximum work efficiency.

▌ Web-Based System Settings

Administrators can configure system settings such as address book control, document filing management, and user control (accounting) from either over the network or from the control panel of the MX-2010U.

Web-based device management

▌ User Control

The MX-2010U has capabilities to **restrict machine access and usage**. Easily manage overall running costs by setting access rules through a Web browser to limit or restrict functions, such as the printing out or copying of large-volume colour documents.

- Authority Groups – Use of each function can be restricted individually.
- User control and account – Up to 1,000 password-protected user accounts can be created for customised access. Accounts can be set up for individuals, groups or departments, in conjunction with the authority group setting. Maximum limits for printing or copying pages can be set for each account.

▌ Remote Diagnosis

The MX-2010U can be monitored remotely through a Web browser. In the event of a problem, such as a low amount of toner, an alert is displayed on the Web page. And, the E-Mail Status and Alert function generates e-mail messages to notify the administrator when action or maintenance is required.

▌ Network Utility Software

- **Sharp Remote Device Manager** (SRDM) makes printer networks easier to manage by allowing administrators to customise monitored items and view settings such as the IP address directly from their PC through a standard Web browser.
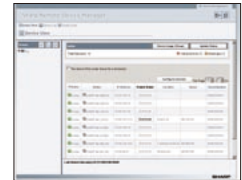

Web-based SRDM

- If the MX-2010U is low on paper or toner, the **Printer Status Monitor** will alert you in the form of easy-to-understand graphics, allowing you to avoid problems before they arise.
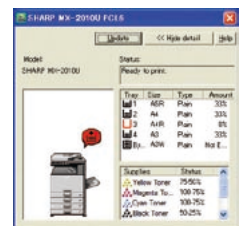
Printer Status Monitor

▌ Device Cloning

Machine settings can be copied conveniently to another MX-2010U via a Web browser in XML format, making it easy to clone machines in a networked environment. With Device Cloning, the administrator no longer needs to set up individual machines one by one, thereby making his/her job a lot easier.

Web-based device cloning
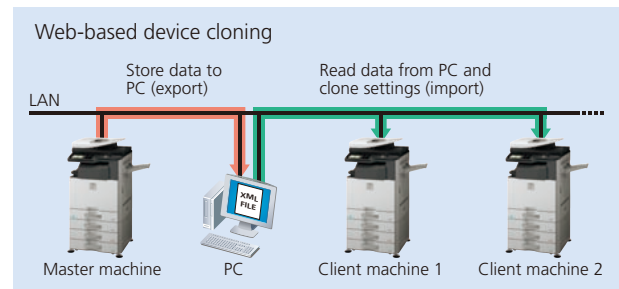
▌ Remote Operation

With the MX-2010U's Remote Operation function, the same control panel screen found on the MFP can be displayed on the screen of a remote, office-networked PC, allowing the MFP to be operated via that PC.* This function can, for example, enable the administrator to guide an MFP user in need of help through necessary procedures. It also allows users, such as the physically challenged, who might have difficulty accessing the MFP control panel, to operate the MFP remotely, via the PC.

* Requires VNC application.

ENVIRONMENT- & USER-FRIENDLY

ENVIRONMENTALLY ADVANCED

Eco-Friendly Supplies

Integrating Sharp's environmentally advanced supplies, the MX-2010U takes ecological performance to a whole new level. Second-generation Mycrostoner-HG offers a significantly **lower consumption rate** than conventional toner, while the **longer-life photoconductor** delivers higher performance than previous models.

Environmentally Conscious Design

- A **short warm-up time** of 45 seconds or less contributes to reduced overall energy consumption.
- Based on prior usage patterns, the MX-2010U automatically determines the optimal length of time to let elapse before going into auto power shut-off mode, helping reduce overall power consumption.

- Conforming to the **ENERGY STAR®** programme, an international system identifying energy-efficient products, the MX-2010U has two levels of **energy-saving modes** to reduce or shut off electricity after a period of inactivity. And pressing the **power save key** after a job is finished immediately puts the MX-2010U into auto power shut-off mode for further cutbacks on running costs.
- In **support of the RoHS directive**, which restricts the use of hazardous substances, Sharp has fully eliminated harmful lead and chromium in all MX-2010U parts and materials.

Power save key

EASY OPERATION

7.0-Inch Touch-Screen LCD

The MX-2010U features a logically designed control panel with a wide, clear, WVGA-resolution touch-screen LCD. Easy-to-follow guidance puts step-by-step instructions on the LCD to guide you through all the necessary procedures for staple/sort finishing, pamphlet making, and other functions. Pushing the **Home** button, even in the middle of an operation, takes you back to the Start screen. Programming the most frequently used functions and settings into **My Menu** gives you quick and easy access to them. And using the included stylus pen provides controlled, accurate touch-screen operation.

Sharp OSA (Open Systems Architecture)

The MX-2010U supports the Sharp OSA* development platform. This innovative technology allows users to interact with critical business and network applications and/or external account software right from the LCD control panel, offering a new realm of control and convenience. And since Sharp OSA utilises industry-standard network protocols, such as XML and SOAP, the MX-2010U can easily integrate with document management systems, enterprise resource planning software, workflow applications, and more.

* Requires optional MX-HD10 and MX-AMX2 and/or MX-AMX3.

Easy-Grip Handles

Easy-grip handles on the MX-2010U reflect a universal design that allows the paper drawers to be grasped from the top as well as the bottom for easy opening and closing.

Thumbnail Display and Previews*

Making the search for files easier and more convenient than ever, thumbnails and up-close previews of Document Filing data files, as well as conventional file names, can be displayed on the MX-2010U's LCD control panel. And to help users decide which documents to print out or forward to others, the LCD can also display thumbnails and previews of incoming faxes and Internet faxes. The MX-2010U even prevents errors in copying, scanning, or saving documents to its hard disk by showing previews of those jobs on the LCD before actually executing them, making it easy to confirm finishing options, scan settings, and other such items.

* Requires optional MX-HD10.
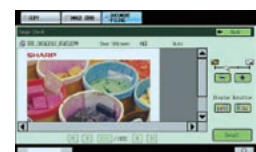
Thumbnails   Preview

Job Status Screen

Whether printing or copying, the control panel displays a list of all jobs, showing you at a glance the jobs in progress and the position of your job in the queue. And, with a few quick touches of the LCD screen, the **Priority Printing** function lets you easily **change the job queue order** or delete jobs that are no longer needed.

Job status

OPTIONS

System Configuration

MX-RP12
Reversing Single Pass Feeder

MX-VR11
Document Cover

MX-FN17
Finisher

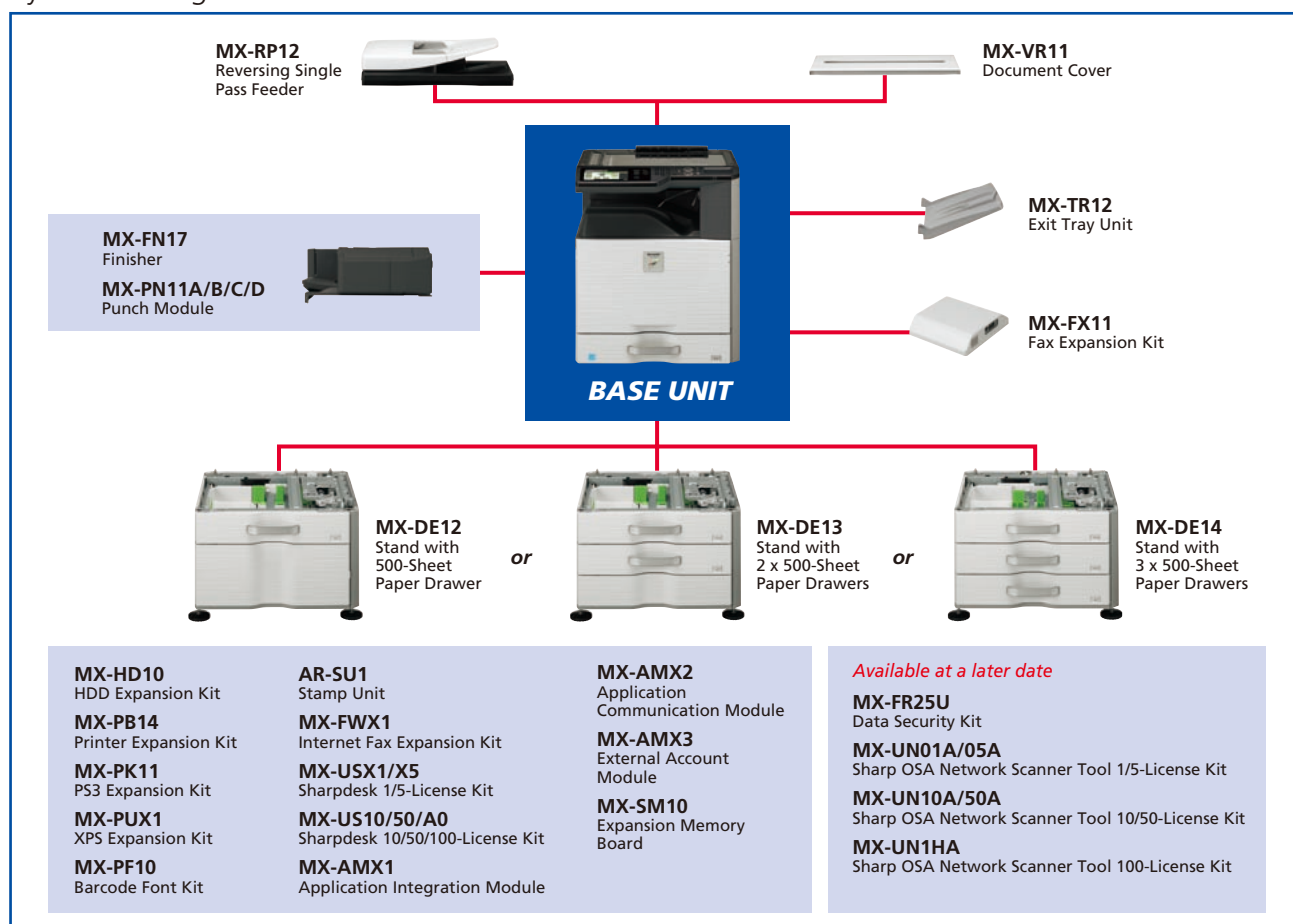**MX-PN11A/B/C/D**
Punch Module

MX-TR12
Exit Tray Unit

MX-FX11
Fax Expansion Kit

BASE UNIT

MX-DE12
Stand with 500-Sheet Paper Drawer

or

MX-DE13
Stand with 2 x 500-Sheet Paper Drawers

or

MX-DE14
Stand with 3 x 500-Sheet Paper Drawers

MX-HD10
HDD Expansion Kit

MX-PB14
Printer Expansion Kit

MX-PK11
PS3 Expansion Kit

MX-PUX1
XPS Expansion Kit

MX-PF10
Barcode Font Kit

AR-SU1
Stamp Unit

MX-FWX1
Internet Fax Expansion Kit

MX-USX1/X5
Sharpdesk 1/5-License Kit

MX-US10/50/A0
Sharpdesk 10/50/100-License Kit

MX-AMX1
Application Integration Module

MX-AMX2
Application Communication Module

MX-AMX3
External Account Module

MX-SM10
Expansion Memory Board

Available at a later date

MX-FR25U
Data Security Kit

MX-UN01A/05A
Sharp OSA Network Scanner Tool 1/5-License Kit

MX-UN10A/50A
Sharp OSA Network Scanner Tool 10/50-License Kit

MX-UN1HA
Sharp OSA Network Scanner Tool 100-License Kit

Certain options may not be available in some areas.

Specifications for Options

MX-FN17 Finisher

Paper size	Non offset	A3W to A5R (12" x 18" to 5 1/2" x 8 1/2"R)
	Offset/staple	A3 to B5 (11" x 17" to 8 1/2" x 11"R)
Paper capacity (max.)		250 sheets (A3, 11" x 17"), 500 sheets (A4, 8 1/2" x 11)
Stapling capacity		50 sheets (A4 or smaller), 30 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

Punch Modules

Model name	For the MX-FN17	MX-PN11A	MX-PN11B	MX-PN11C	MX-PN11D
Number of holes		2	3	4	4 (wide)
Paper weight		55 to 256 g/m² *			

* Guaranteed punchable weight is 55 to 128 g/m².

MX-RP12 Reversing Single Pass Feeder

Scan speed (copy)	Colour	36 opm (one-sided), 17 opm (two-sided)
(A4, 8 1/2" x 11)	B/W	50 opm (one-sided), 20 opm (two-sided)
Paper size		A3 to A5 (11" x 17" to 5 1/2" x 8 1/2")
Paper capacity		100 sheets (80 g/m²)

MX-DE12 Stand with 500-Sheet Paper Drawer

Paper size	A3 to A5R (11" x 17" to 5 1/2" x 8 1/2"R)
Paper capacity	500 sheets (80 g/m²)

MX-DE13 Stand with 2 x 500-Sheet Paper Drawers

Paper size (upper and lower tray)	A3 to A5R (11" x 17" to 5 1/2" x 8 1/2"R)
Paper capacity (upper and lower tray)	500 sheets each (80 g/m²)

MX-DE14 Stand with 3 x 500-Sheet Paper Drawers

Paper size (upper and lower tray)	A3 to A5R (11" x 17" to 5 1/2" x 8 1/2"R)
Paper capacity (upper and lower tray)	500 sheets each (80 g/m²)

MX-FX11 Fax Expansion Kit

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Modem speed	33,600 bps to 2,400 bps

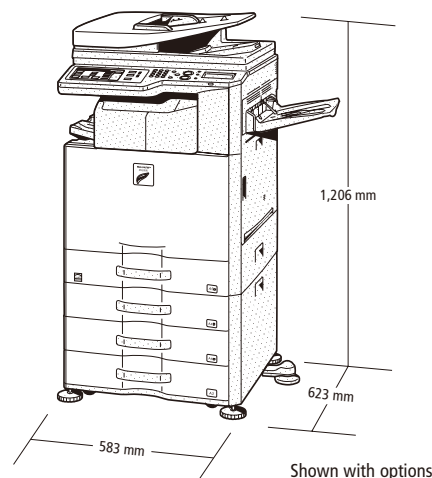## Sharpdesk System Requirements

Supported OS	Windows® XP (SP2) Professional/Home Edition, Windows Vista®, Windows® 7
Hard disk	Minimum requirement of operating system used plus at least 500MB to store Sharpdesk and Network Scanner Tool programmes
CPU	Pentium® or equivalent processor (Windows XP: 800 MHz 32-bit/64-bit processor; Windows Vista and Windows 7: 1 GHz 32-bit/64-bit processor)
Memory	Windows XP: 512MB RAM; Windows Vista and Windows 7: 1GB RAM/2GB RAM (Windows 7 64-bit)
Monitor	Windows XP: SVGA display; Windows Vista and Windows 7: Direct X9 support with 128MB video RAM

MX-2010U Digital Full Colour Multifunctional System

SPECIFICATIONS (tentative)

General

Type	Desktop
Engine speed (colour & B/W)	Max. 20 cpm/ppm (A4, 8 1/2" x 11", long-edge feeding)
Paper size	Max. A3 wide (12" x 18"), min. A5R (5 1/2" x 8 1/2"R)
Paper capacity	Standard: 600 sheets (500-sheet tray and 100-sheet multi-bypass tray)
(80 g/m²)	Maximum: 2,100 sheets
Paper weight	Tray: 60 g/m² to 209 g/m² (16 lbs bond to 110 lbs index)
	Multi-bypass tray: 55 g/m² to 256 g/m² (13 lbs bond to 140 lbs index)
Warm-up time*¹	45 sec. or less
Memory	[Standard] Copy/print (shared): 1GB
	[Option] Print: 1.5GB 160GB HDD*²
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.84 kW (220 to 240V), 1.44 kW (100 to 127V)
Dimensions (W x D x H)*³	583 x 623 x 717 mm (22 ³¹/₃₂" x 24 ³³/₆₄" x 28 ¹⁵/₆₄")
Weight (approx.)*³	65 kg (143.3 lbs)
Features	Job build*⁴, document filing*⁴, pre-heat/auto power shut-off modes, user authentication (1,000 accounts), toner save mode, preview*⁴, thumbnail view*⁴*⁵

Copier

Original paper size	Max. A3 (11" x 17")
First copy time*⁶	Full colour: 10.2 sec. B/W: 8.8 sec.
Continuous copy	Max. 999 copies
Resolution	Scan (colour): 600 x 600 dpi
	Scan (B/W): 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi
	Print: 9,600 (equivalent) x 600 dpi (depending on print mode), 600 x 600 dpi
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using RSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)
Features	Auto paper selection (mixed/random size feeding), auto magnification selection, paper type selection, auto tray switching, rotation copy, electronic sorting, network tandem copy, book copy, margin shift, dual page copy, multi-shot (4-in-1, 2-in-1), cover/transparency/tab page insertion, pamphlet copy, 2-sided copy orientation change, XY zoom, B/W reverse, mirror image, duplex copy, job reservation, 48 job programmes, photo repeat, irregular original/paper size input, stamps (date, page number, text, stamp), multi-page enlargement, tab copy, centering, proof copy*⁴, auto colour mode, auto colour selection, auto calibration, watermarks*⁴, sharpness, card shot, original count, edge/centre/side erase

Network Scanner

Scan method	Push scan (via control panel), pull scan (TWAIN-compliant application)
Resolution	Push scan: 100, 200, 300, 400, 600 dpi
	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi
	50 to 9,600 dpi via user setting*⁷
File formats	TIFF, PDF, encrypted PDF, JPEG (colour only), XPS*⁸
Scanner utility	Sharpdesk
Scan destinations	Scan to e-mail/desktop/FTP server/network folder (SMB)/USB memory
Features	Internet fax*⁹ (supports direct SMTP), PC-Internet fax transmission*⁹, auto colour mode, mixed size original scanning, LDAP support, direct entry (address, subject, message), 500 group dials, 1,000 one-touch dials, 48 job programmes, broadcasting, long original scanning (max. 1,000 mm)*¹⁰, auto colour selection, card shot, original count, edge/side erase

Document Filing (optional MX-HD10 required)

Document filing capacity	Main and custom folders: 72GB, 20,000 pages*¹¹ or 3,000 files
	Quick file folder: 14GB, 10,000 pages*¹¹ or 3,000 files
Stored jobs*¹²	Copy, print, scan, fax transmission
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection

Network Printer

Resolution	9,600 (equivalent) x 600 dpi, 600 x 600 dpi
Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS*¹³	Windows Server® 2003/2008, Windows® 2000/XP, Windows Vista®, Windows® 7, Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4.11, 10.5 to 10.5.8, 10.6 to 10.6.2
Network protocols*¹³	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), NetBEUI, EtherTalk (AppleTalk)
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, Novell Printserver application with NDS and Bindery, FTP for downloading print files, EtherTalk printing, IPP
PDL (emulation)	Standard: SAPL-c (Sharp Advanced Printing Language-c)
	Option*¹⁴: PCL 6 emulation, PS3 emulation, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation
Features*¹² *¹⁵	Network tandem print, RIP Once/Print Many, job retention (proof print, confidential print), direct PDF/TIFF/JPEG/XPS printing, carbon copy print, duplex print, font/form download, offset output, pamphlet style, Sharp Remote Device Manager, printer status monitor, IP/MAC address filtering, port/protocol management, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover/transparency insertion, fit to page, watermarks, form overlay, auto configuration, barcode font compatibility, tab print, poster print, margin shift, secure network communications (SSL and IPsec [LPD])

B/W Facsimile (optional MX-FX11 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*¹⁶
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording width	A3 to A5 (11" x 17" to 5 1/2" x 8 1/2")
Memory	512MB, max. 1GB*⁴
Grey scale levels	Equivalent to 256 levels
Features	Duplex transmission/reception, quick on-line transmission, error correction mode, LDAP support, 500 group dials, 1,000 one-touch dials, 48 job programmes, broadcasting number registration, F-Code compatibility (confidential, relay broadcast), polling, memory transmission/reception, auto reduction (transmission/reception), rotation transmission/reception, print actual size, 2-in-1 transmission, long original transmission (max. 1,000 mm), PC-Fax transmission, timer transmission, inbound routing*⁴ to fax/Internet fax/e-mail/FTP server/network folder (SMB)/PC desktop/group, activity report, anti-junk fax, dual page scan, card shot, edge/side erase, mixed size original scanning, original count

- Design and specifications are subject to change without prior notice.
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* 1 : At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment.
* 2 : HDD capacity depends on procurement and sourcing status.   *3: Including document cover.
* 4 : Optional MX-HD10 required.   *5: Thumbnails of Document Filing data files and incoming faxes.
* 6 : Long-edge feeding of A4 (8 1/2" x 11") sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, MFP in fully ready condition. May vary depending on operating conditions and environment.
* 7 : Resolutions higher than 600 dpi are interpolated.
* 8 : To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.
* 9 : Optional MX-HD10 and MX-FWX1 required.
*10 : B/W documents only, scanned at under 400-dpi resolution. Max. 800 mm for Internet faxing or when scanning at 600 x 600-dpi resolution.
*11 : Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function; up to 14GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
*12 : Some features require option(s).   *13: Optional MX-PK11 required for Mac OS and EtherTalk.
*14 : PCL requires optional MX-HD10 and MX-PB14. PS requires optional MX-HD10, MX-PK11, and MX-PB14. XPS requires optional MX-HD10, MX-PUX1, MX-PB14, and MX-SM10 (1GB).
*15 : Some features are not available according to the printer driver used.
*16 : Based on Sharp's standard chart with approx. 700 characters (A4 or 8 1/2" x 11" long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

1,206 mm
623 mm
583 mm

Shown with options.

SHARP

PRINTED WITH SOY INK®
Printed with VOC (volatile organic compound)-free ink

JC2010U

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