

**SHARP** understands that reliability, practicality and ease-of-use are essential qualities when choosing an office MFP. **/This is Why** our MX-2310U is designed to meet the needs of your entire team, delivering superior performance day-in, day-out, from colour copying through to network scanning and printing.

# MX-2310U Multi-Function System





Energy Star  
Certified



Stylus Pen

# **/This is Why** our MX-2310U colour MFP is the perfect choice for any size office

## **Move up to A3 colour**

The MX-2310U multifunction system is a great choice for any small office or workgroup. It's versatile, it's compact, and it brings high quality A3 colour within reach of every business.

Print and copy speeds are as fast as 23 pages per minute – even in colour – plus, you get automatic two-sided colour scanning, network printing, robust security features, remote access control and powerful utility software. It all adds up to give you a rapid return on investment.

What's more, there's a whole range of options and upgrades you can specify, including fax, extra security, a space-saving inner finisher, and access to third party software, to configure an MFP that's exactly right for your business.

## **Outstanding design**

As well as being one of the most powerful A3 colour MFPs in its class, the MX-2310U is also one of the smallest. Yet every thought has been given to ease of use and energy efficiency.

A 7.0 inch touch screen colour LCD with thumbnail previews and convenient stylus pen, for example, makes everyday operation simple and intuitive. We've even added easy-grip handles to the paper drawers.



7.0 inch LCD colour  
touch screen.

## **Impressive green credentials**

The Energy Star-certified MX-2310U is designed to fully support your environmental objectives. We've used LED lights in the scanner for lower power consumption and reduced the warm up time to less than 20 seconds.

The MX-2310U also 'learns' your usage patterns and automatically moves into standby during periods of inactivity. The result is a versatile A3 colour MFP – ideal for everyday use – that has a Typical Electrical Consumption among the lowest in its class: just 1.72 kWh for an average week.





23 PPM in Mono  
and Colour



High Quality  
600 x 600 dpi  
Print Resolution

# **/This is Why** our MFPs can help increase productivity

## **Enhanced productivity**

You'll be surprised at how much more you can do with the MX-2310U. Unlike some MFPs which make you slow down for colour, this powerful, compact machine can print and copy at the full 23 pages per minute. What's more, you can double the effective speed by linking two together and sharing jobs between them.

Couple that with fast scan speeds (50 originals per minute) and a first page out time of just 10 seconds\* (less for black and white pages), and you have a device with more than enough performance to satisfy the whole team.

## **Everyday efficiency**

Complex jobs are quickly mastered thanks to a 100-sheet Reversing Single-Pass Feeder for rapid double-sided scanning, and you get electronic sorting for collating jobs and keeping them separate. A Job Build function lets everyone manage high volume copying with ease, and there's a large internal hard disk for storing and retrieving documents.

Walk-up printing from a memory stick is easy, thanks to two USB ports, and you can directly print\*\* common PDF, TIFF and JPEG files without taking the time to use a printer driver.

It all adds up to a compact yet surprisingly versatile MFP which will boost productivity across the whole team.

## **Superior image quality**

We've made it as easy as possible to get top quality from everything that you print, copy or scan. Newly formulated developer and toner delivers enhanced image quality across a useful range of media, and a colour print resolution of 600 x 600 dpi, and 9600 x 600 dpi interpolated adds style and impact to all of your documents.

You don't need to be a colour expert to get the best out of the MX-2310U either. Its Auto Colour Mode takes care of all the settings for you, producing accurate, high quality copies with faithfully reproduced colour, halftones and fine detail.

There's no fuss and no special features to learn. Just page after page of smart, professional documents for everyday business use.

## **All-in-one performance**

The new MX-2310U incorporates the key performance-enhancing technologies that you'll find in Sharp's other award winning MFPs, and more. Full colour scanning is fast and versatile. Originals can be scanned into most popular formats then instantly sent to your desktop, multiple email addresses, a folder on your network or FTP server, or simply a USB memory stick. Plus, there's a handy 'Scan to Me' function for single-touch scanning direct to your own email address.

\* Best achieved time based on A4 copy, long-edge feeding from 1st paper drawer, using document glass, when machine is ready, without Auto Colour Mode and Auto Colour Selection. May vary depending on machine conditions and operating environment.

\*\*Requires optional MX-PB14. PDF direct printing also requires MX-PK11.



Industry Leading  
Security



Hard Disk  
Data Storage  
As Standard

# **/This is Why** our MFPs offer superior convenience, flexibility and security

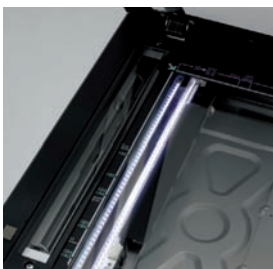
## **Unlocking information across the enterprise**

Now you can really put paper-based information to full use, digitising documents and distributing them as needed. Even high volume scanning is effortless thanks to thoughtful innovations that automatically stamp originals as they're scanned and skip blank pages entirely.

To distribute your scans, simply browse and select email destinations from a list which is synchronised with your corporate email address book. And if you send a copy to your PC, you can use Sharpdesk document management software, which lets you store and manage files of virtually any format, and even combine them into new multipage documents.

## **Convenient filing**

The MX-2310U comes with a 160GB hard drive on which you can store jobs (neatly indexed with thumbnail views) for later reuse. Choose from Quick Filing for temporary storage, Advanced Filing for long-term archiving, or a Main Folder for convenient workgroup sharing. You can also store your documents in private, password protected folders.



LED scanner uses  
less energy than  
conventional lamps.

## **Ready for the future**

Choose the configuration you need today and add extra options as and when you need them. Expand the paper supply up to 2,100 sheets, add Super G3 and internet fax, invest in extra security, install a space-saving inner finisher and hole punch: It's your choice.

The MX-2310U can also run the latest Sharp OSA® (Open Systems Architecture) applications, transforming it into an integrated gateway to your networked business applications. Different applications can be used for automating manual office tasks, such as capturing and distributing documents, or to let you access network applications and data directly from the MFP's front panel.

## **Security you can trust**

The multi-layered security of the MX-2310U works 24/7 to keep your network and data safe from all unauthorised access, intentional or innocent. Standard security measures include user authentication, Confidential PIN Printing, SSL data encryption, a secure network interface, IEEE 802.1X compliance, IPsec compatibility and password-protected encrypted PDFs. But that's not all.

The MX-2310U has a hard disk as standard which stores documents and data. To safeguard this information and for even greater security, choose the optional Data Security Kit, which encrypts and securely erases data from the hard disk and internal memory, at specified intervals or on demand. The kit also has a Document Control facility to prevent unauthorised copying, scanning, faxing and filing. In addition, the standard Data Initialisation function safely wipes all data from the MX-2310U when it's time to replace it.



# **/This is Why** our MX-2310U helps make your workflow easier to manage

## Easy to manage

Although the MX-2310U is both powerful and versatile, it's remarkably easy to manage. Every important setting can be configured from a dedicated web page. A glance at the Job Status Screen on the control panel, for example, will show you all copy and print jobs and their position in the queue. But that's just one thoughtful idea. Other ease-of-use innovations include:

**Remote Access Control Panel** – Support staff can remotely view and operate the front panel display, taking control, changing settings, fixing problems and even providing ad hoc training, without leaving their desks.

**Printer Status Monitor** – Lets you check the MFP's operating status from your PC, so you can make sure there's sufficient toner and paper before you start a job. What's more, as soon as your documents are printed an alert appears on your desktop, saving wasted trips across the office.

**Remote Diagnosis** – Solve issues before they become problems by monitoring your MFPs via your web browser, and receive timely email alerts when maintenance is required.

**Sharp Remote Device Manager** – Installed on your file server, Sharp Remote Device Manager (SRDM) gives you complete, real-time control of your printers and MFPs through any standard web browser. Error reporting, technical support, driver installation, firmware upgrades, printer configuration: everything is easier and more accessible.





# MX-2310U – options

No two workgroups are exactly alike and everyone has different needs. Choose from these options to configure an MFP that's perfect for your business.

## Finishing

- 1. MX-FN17 Finisher:**  
A3 to B5 (offset/staple)  
A3W to A5R (non offset)  
Offset tray (upper): max. 500-sheet paper capacity\*1  
Stapling capacity: max. 50-sheet multi-position staple\*1  
Staple position: 3 locations (front, rear or 2 point stitching)
- 2. Optional Punch Module for MX-FN17**  
**MX-PN11A** 2 Hole Punch Module  
**MX-PN11C** 4 Hole Punch Module  
**MX-PN11D** 4 Hole Wide Punch Module
- 3. MX-TR12** Exit Tray Unit

## Faxing

- 4. MX-FX11** Fax Expansion Kit: Super G3 fax module

## Base Unit

- 5. MX-DE12** Stand with 500-Sheet Paper Drawer:  
A3 to A5R, 500 sheets (80 g/m<sup>2</sup>)
- 6. MX-DE13** Stand with 2 x 500-Sheet Paper Drawers:  
A3 to A5R, 500 sheets each (80 g/m<sup>2</sup>) for lower and upper trays
- 7. MX-DE14** Stand with 3 x 500-Sheet Paper Drawers:  
A3 to A5R, 500 sheets each (80 g/m<sup>2</sup>) for lower and upper trays

## Connectivity

### Printing

- MX-PB14** Printer Expansion Kit:  
Enables PCL6 printing
- MX-PK11** PS3 Expansion Kit:  
Enables PostScript printing (MX-PB14 required)
- MX-PUX1** XPS Expansion Kit:  
(MX-PB14 and MX-SM10 required)
- L80MX-SM10** Expansion Memory Board
- MX-PF10** Barcode Font Kit

### Scanning

- AR-SU1** Stamp Unit:  
Marks already scanned documents for checking

### Sharpdesk Licenses

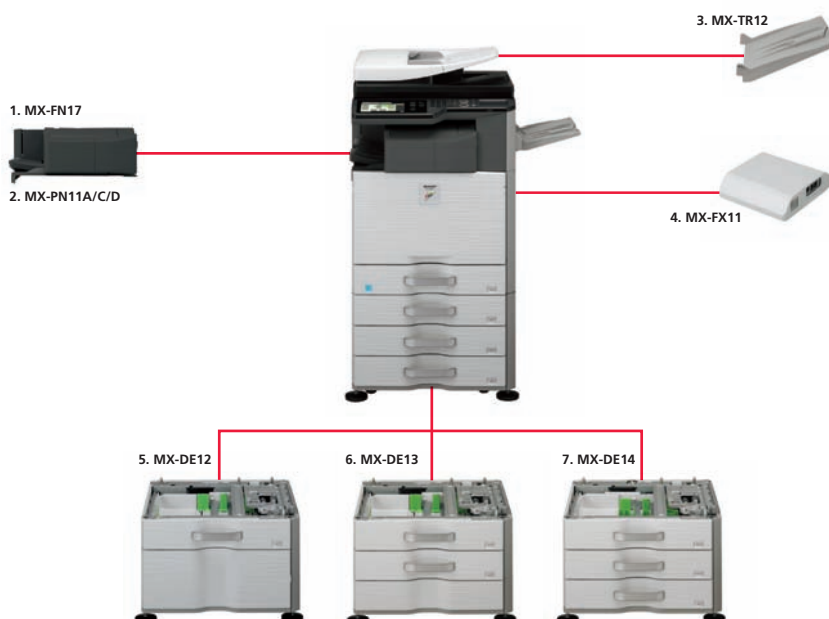
- MX-USX1** x 1 user
- MX-USX5** x 5 users
- MX-US10** x 10 users
- MX-US50** x 50 users
- MX-USA0** x 100 users

### Sharp OSA®

- MX-AMX1** Application Integration Module
- MX-AMX2** Application Communication Module
- MX-AMX3** External Account Module

### Security

- MX-FR25U** Data Security Kit\*2



\*1 A4 or smaller, 80g/m<sup>2</sup>.

\*2 Available at a later date.

Some options may not be available in some areas.

# Specifications

## MX-2310U

Digital Full Colour Multifunctional System



General	
Engine speed (max)	Colour: A3: 11 ppm/cpm A4: 23 ppm/cpm B/W: A3: 11 ppm/cpm A4: 23 ppm/cpm
Paper size	A3W (max) A5R (min)
Paper weight	Drawer: 60 - 209 g/m <sup>2</sup> Bypass: 55 - 256 g/m <sup>2</sup>
Paper capacity	Std: 600 sheets (1 x 500-sheet drawer and 100-sheet multi-bypass tray) Max: 2,100 sheets (4 x 500-sheet drawers and 100-sheet multi-bypass tray)
Warm-up time*1	Less than 20 sec.
Memory	Std: 1GB (copier/printer shared) Option: 1.5GB*3 (printer)
HDD capacity*2	160GB
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max)	1.84 kW (220 - 240V)
Dimensions (wdh)	583 x 623 x 834 mm
Weight	Approx. 73 kg
Copier	
Original paper size	Max: A3
First copy time*4	Colour: 10 sec. B/W: 7.4 sec.
Continuous copy	Max: 999 copies
Scan Resolution	Colour: 600 x 600 dpi B/W: 600 x 600, 600 x 400, 600 x 300 dpi
Print Resolution	600 x 600, 9600 equivalent*5 x 600 dpi
Gradation	Equivalent to 256 levels
Zoom range	25 to 400% (25 to 200% using RSPF) in 1% increments
Preset copy ratios	10 ratios (5R/5E)
Network Scanner	
Scan method	Push scan (via operation panel), Pull scan (with TWAIN-supporting application)
Scan resolution:	Push: 100, 200, 300, 400, 600 dpi Pull: 75, 100, 150, 200, 300, 400, 600 dpi, 50 to 9600 dpi*5, custom
File formats	TIFF, PDF, Encrypted PDF, JPEG (colour only), XPS*6
Scanner utilities	Sharpdesk™
Scan destinations	Scan to e-mail, desktop, FTP server, network folder (SMB), USB memory
Document Filing	
Document filing capacity	Main and custom folders: 72GB, 20,000 pages*7 or 3,000 files Quick file folder: 14GB, 10,000 pages*7 or 3,000 files
Stored jobs	Copy, print, scan, fax transmission*8
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)
Confidential storage	Password protection
Network Printer	
Resolution	600 x 600, 9600 equivalent*5 x 600 dpi
Interface	USB 2.0 10Base-T/100Base-TX/1000Base-T
Supported OS*9	Standard: Windows® 2000, Windows® XP, Windows® Server 2003/2008, Windows® Vista, Windows® 7 Optional: Mac OS 9.0 - 9.2.2, Mac OS X 10.2.8 - 10.6.2
Network protocols*9	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*10: PCL6, PS3, XPS
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation*9
B/W Facsimile (optional MX-FX11 required)	
Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*11
Modem speed	33,600 bps - 2,400 bps with automatic fallback
Transmission resolution	Standard: 203.2 x 97.8 dpi Extra Fine: 406.4 x 391 dpi
Recording width	A3 - A5
Memory	!GB
Grey scale levels	Equivalent to 256 levels

\*1 At rated voltage. May vary depending on machine conditions and operating environment.  
\*2 1GB = One billion bytes when referring to hard drive capacity. Actual formatted capacity is less.  
\*3 MX-SM10 (1GB) and MX-PB14 (512 MB). \*4 Best achieved time based on A4 copy, long-edge feeding from 1st paper drawer, using document glass, when machine is ready, without Auto Colour Mode and Auto Colour Selection. May vary depending on machine conditions and operating environment. \*5 Resolutions higher than 600 dpi are interpolated. \*6 To view XPS files on PCs not running Windows Vista, you must have the XPS View application installed. \*7 Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick Folder shares memory 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. \*8 Optional MX-FX11 required. \*9 Optional MX-PK11 required for Mac OS, EtherTalk and PS3. \*10 PCL requires optional MX-PB14. PS requires optional MX-PK11 and MX-PB14. XPS requires optional MX-PULX1, MX-PB14, and MX-SM10 (1GB). \*11 Based on Sharp's standard chart with approx. 700 characters (A4 portrait) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.



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**MX-2310U**

Digital Full Colour Multifunctional System



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**/This is Why**

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