SHARP®

SHARP OSA™ PLATFORM

AN ENTIRELY NEW REALM OF PRODUCTIVITY.

OSA™
Sharp Open Systems Architecture

Imagine the possibilities
get more out of your business applications

Designed for today's mobile and flexible workplace, Sharp OSA-enabled MFPs deliver unparalleled efficiency, control and convenience. How? With seamless integration, Sharp OSA-developed applications provide a window into your business applications, so you can access what you need, when you need it, right from the LCD display. Plus, with the potential for customized integration with your business-specific applications, the Sharp OSA Platform can eliminate redundancy and streamline processes, helping to save time and optimize productivity. It's time to change the way your business communicates.

Discover an entirely
new way of working

READY TO INCREASE PRODUCTIVITY.

ACCESS APPLICATIONS

CUSTOMIZE WORKFLOW

LINK

ENHANCE

INCREASE

EXPECT MORE

With inventive, one-of-a-kind products, Sharp enhances the way the workplace communicates, improving people's lives. Our award-winning MFPs are no exception. Sharp's newest innovation, the **Sharp OSA Platform**, delivers the first truly customizable MFP, designed to meet the needs of not just any business, but *your* business. It's a completely new way of working that opens the door to increased efficiency.

But that's only the beginning. With sophisticated features and unparalleled reliability, Sharp MFPs make it easy to do just about anything. From copying, printing, scanning and faxing, to managing your information securely, Sharp MFPs can help boost productivity and minimize costs.

Offering products that capitalize on innovation, Sharp MFPs utilize award-winning technology like **Scan²**, single-pass, two-sided scanning that increases efficiency and enhances system reliability. With the most **comprehensive security features** available, Sharp products are ideal for any environment in which confidentiality is a must. And with **My Sharp**, a customized website that provides personalized training and 24/7 support, Sharp makes it easy for you to take full advantage of solutions that will make you more efficient—while providing a competitive edge.

GET MORE FROM A LEADER

• Sharp MFP's awarded BERTL'S "5 Stars Across Entire Color MFP Line"

• Sharp MFP's awarded BLI's "Color Line of the Year"

• First to obtain Common Criteria validation to secure information on your MFP

• First to employ Scan² technology for faster productivity

• Developed My Sharp, a dedicated customer-training website customized for each user's configuration

"5 Stars Across Entire Color MFP Line" Award

"Color Line of the Year" Award

DATA SECURITY

s c a n ²

SHARP

The Sharp OSA Platform opens the door to a broad array of value-added functionality and flexibility. In essence, it delivers the power of customization so you can work smarter.

With the ability to access integrated applications directly from the LCD panel, Sharp OSA-enabled MFPs allow you to work more efficiently and be more productive. Now you can start and finish a task in one simple operation. With this innovative, second-generation technology, your MFP becomes a gateway into your network, providing fast, flexible access to documents no matter where you are in the office. Further, Sharp OSA-enabled MFPs allow you to control access and track usage more effectively by offering tighter integration capabilities for network security and cost accounting applications. With such comprehensive control, you'll be able to manage your document workflow easily, efficiently, and more securely. **Simply, Sharp OSA technology transforms your Sharp MFP into something much more: a flexible resource that can evolve as your business needs change.**

SHARP OSA PLATFORM AT A GLANCE

- **Customize your workflow**. Automate tasks and save time with seamless integration between MFPs and your network applications.
- **Take control of your workflow**. Helps eliminate repetitive tasks and streamline workflow, increasing efficiency.
- **Maximize your investment**. With tighter integration between IT assets and hardware you'll have more control over your bottom line.
- **Discover added convenience**. Centralized applications minimize installation and maintenance on multiple MFPs.
- **Streamline your development**. By using the industry standard for application to application communication, this flexible development platform enables fast deployment of solutions.

READY TO SCAN FOR COPY.

SPECIAL MODES

2-SIDED COPY

FILE

Customization

Accessibility

Performance

Efficiency

OSA™
Sharp Open Systems Architecture

With the ability to access integrated applications directly from the LCD panel, Sharp OSA-enabled MFPs allow you to work more efficiently and be more productive. This innovative, second-generation platform leverages the versatility of web services architecture for streamlined development and broad platform compatibility.

Leveraging this industry-standard architecture, the Sharp OSA development platform allows developers to quickly and easily create applications that can dynamically display custom interface screens on the LCD panel and control device functions.

These custom interface screens are defined in XHTMLs, allowing you to interactively browse and communicate with application screens, essentially turning your MFP into an additional thin client for one or more of your favorite applications.

Integrated applications can also control MFP functions using a Web Service. The Sharp OSA Web Service allows applications to send commands formatted in XML/SOAP to the MFP for configuring and executing jobs, enabling and disabling features, and retrieving status information.

Since all applications run on the network server rather than the MFP, you'll have virtually unlimited processing speed and storage capacity, allowing you to handle even the most complex applications. Plus, with web services lightweight communication protocol, the effect on your network bandwidth will be marginal. With all this, as well as centralized application administration, network managers will be able to deploy and manage Sharp OSA-enabled applications to tens, if not hundreds, of MFPs with minimal time and investment.

The MFP can be enabled with one of two, or both, Soft Key modules. The Application Communication Module (ACM) enables integrated applications to create, configure, and execute scan jobs remotely. The External Accounting Module (EAM) enables integrated applications to restrict access and feature sets by authenticating users, as well as track usage by individual, department, and more.

SHARP PARTNER PROGRAM

MORE OPPORTUNITY. MORE SUPPORT. MORE VALUE.

More than just a feature set of the MFP, Sharp OSA technology provides developers with a suite of tools to truly customize document workflow, whether through application integration or feature customization. To facilitate and support this effort, the Sharp OSA Platform is complemented by a comprehensive program that offers a mix of both developer and marketing support.

The Sharp Partner Program is one of the most inclusive in the industry, open to qualified software and hardware manufacturers, Sharp customers and authorized dealers. To foster the development community, the Sharp Partner Program features a dedicated extranet where program members can exchange information and ideas 24/7, ask questions and gain access to the latest information on Sharp MFPs. This network of alliances enables you to benefit from a broad array of products that deliver enhanced productivity, increased security and robust document management capabilities.

To learn more about the Sharp Partner Program, please visit us at **www.sharp-partners.com**

SHARP OSA PLATFORM PROGRAM COMPATIBILITY CHART

General	B/W			COLOR		
	MX-M350/M450 Series	MX-M550/M620/M700 Series	MX-M850/M950/M1100 Series	MX-2300N/2700N Series	MX-3500N/3501N/4501N Series	MX-5500N/6200N/7000N Series / MX-6201N/7001N Series
Speed	35/45 ppm	55/62/70 ppm	85/95/110 ppm	23/27 ppm b/w 23/27 ppm color	35/45 ppm b/w 35 ppm color	55/62/70 ppm b/w 41 ppm color / 62/70 ppm b/w 50 ppm color
Function[1]	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax
Printer Controller	Standard[2]	Standard[2]	Optional	Standard	Standard	Standard
Network Card (TCP/IP 10/100)	Standard[2]	Standard[2]	Standard	Standard	Standard	Standard
Network Scanning Expansion Kit	Optional	Optional	Optional	Standard	Standard	Standard
Scan[2]/Single Pass Duplex Scan	Standard	Standard	Standard	—	Standard[4]	Standard
Application Communication Module (ACM)	MX-AMX2	MX-AMX2	MX-AMX2	MX-AMX2	MX-AMX2	MX-AMX2
Custom user interface display	Yes	Yes	Yes	Yes	Yes	Yes
Programmatically configure scan job	Yes[3]	Yes[3]	Yes[3]	Yes	Yes	Yes
Receive event notifications	Yes	Yes	Yes	Yes	Yes	Yes
Programmatically execute scan job	Yes[3]	Yes[3]	Yes[3]	Yes	Yes	Yes
External Account Module (EAM)	MX-AMX3	MX-AMX3	MX-AMX3	MX-AMX3	MX-AMX3	MX-AMX3
Authenticate all MFP users (walk-up and remote)	Yes	Yes	Yes	Yes	Yes	Yes
Track total clicks for copy, print, scan, fax jobs	Yes	Yes	Yes	Yes	Yes	Yes
Track clicks by page size and color for all MFP jobs	—	—	Yes	Yes	Yes	Yes
Receive event notifications	Yes	Yes	Yes	Yes	Yes	Yes
Enable MFP features by user	Yes	Yes	Yes	Yes	Yes	Yes
Limit number of clicks per job	Yes	Yes	Yes	Yes	Yes	Yes
Security Features (ACM or EAM)						
SSL-encrypted communication (HTTPS)	Yes[5]	Yes[5]	Yes	Yes	Yes	Yes
SSL-encrypted file delivery (FTPS)	Yes	Yes	Yes	Yes	Yes	Yes
SSL certificates	Yes	Yes	Yes	Yes	Yes	Yes
Sharp-issued key required to use interface	Yes	Yes	Yes	Yes	Yes	Yes
Data Security Kit Support	Yes	Yes	Yes	Yes	Yes	Yes

Server Requirements	
General	Server requirements are specific to each integrated application. Sharp OSA is designed to work on any system supporting XML, but has only been tested with the systems listed below.
Operating System	Microsoft® Windows® XP Professional, Windows 2000 Professional, Windows 2000 Server, Windows 2003 Server, Windows Vista™ Ultimate, Windows Vista Enterprise or Windows Vista Business 32-bit w/ IIS 7, Linux – Red Hat Enterprise Linux 3
Web Server Requirements	Microsoft Internet Information Services (IIS) 5 or higher Apache 2.0 or higher
Other Software Requirements	Any middleware required by server for Web Services processing. IIS - Microsoft .NET Framework 1.1 or higher Apache - Axis 1.2 or higher

1) Some functions require optional equipment
2) Optional on U series
3) Requires Network Scanning Expansion Kit
4) Not available on MX-3500N
5) Planned for 2007

Participants in the Sharp Partner Program are independently owned and operated third parties which Sharp has no interest in or control over. Sharp does not warrant or guarantee these third-party solutions in any way.