SHARP

SHARP OPEN SYSTEMS ARCHITECTURE

AN ENTIRELY NEW REALM OF PRODUCTIVITY.

OSA›

Sharp Open Systems Architecture

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, **Sharp Open Systems Architecture** (Sharp OSA), 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.

OSA›
Sharp Open Systems Architecture

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 **Scan**^{2}, 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.

GET MORE FROM A LEADER

• Awarded BLI's "IT Friendliness Award" for outstanding innovation in connectivity features

• Awarded BLI's "Pick of the Year" in segments 1 through 5

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

• First to employ Scan^2 technology for faster productivity

"IT Friendliness" Award

"Pick of the Year" Award

DATA SECURITY

scan^2

Imagine the possibilities
get more out of your business applications

Designed for today's mobile and flexible workplace, Sharp's new OSA-enabled MFPs deliver unparalleled efficiency, control and convenience. How? With seamless integration, Sharp OSA provides 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, Sharp OSA 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

Sharp's Open Systems Architecture opens the door to a broad array of value-added functionality and flexibility. In essence, Sharp OSA is designed to deliver 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. **In essence, Sharp OSA transforms your Sharp MFP into something much more: a flexible resource that can evolve as your business needs change.**

SHARP OSA 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**. 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 M
2-SIDED
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, Sharp OSA's 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 XHTML, 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 OSA PLATFORM PROGRAM COMPATIBILITY CHART

General	B/W			COLOUR		
	MXM350/M450 Series	MXM550/M620/M700 Series	MXM850/M950/M1100 Series	MX2300N/2700N Series	MX3500N/3501N/4501N Series	MX5500N/6200N/7000N Series MX6201N/7001N Series
Speed	35/45 ppm	55/62/70 ppm	85/95/110 ppm	23/27 ppm b/w 23/27 ppm colour	35/45 ppm b/w 35 ppm colour	55/62/70 ppm b/w 41 ppm colour 62/70 ppm b/w 50 ppm colour
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)	MXAMX	MXAMX2	MXAMX2	MXAMX2	MXAMX2	MXAMX2
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)	MXAMX3	MXAMX3	MXAMX3	MXAMX3	MXAMX3	MXAMX3
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 MX3500N
5) Planned for 2007

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