



## **SX-350 OEM Internal Print Server**

- Complete internal OEM network printing solution
- 802.11a/b/g wireless and 10Base-T/100Base-T Ethernet
- Works with all major operating systems and network operating systems
- Minimal hardware and firmware changes required in OEM printer

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*The SX-350 is the simplest way for OEM printer manufacturers to add sophisticated internal network printing capabilities!*

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### **Easy-to-Use Wireless and Wired Networking for OEM Printers**

The SX-350 is an internal multiprotocol print server designed to allow OEM printer manufacturers and printer controller manufacturers to easily add wired and/or wireless network printing capabilities to their products. Because it uses a simple internal Centronics/IEEE1284 parallel port-compatible ribbon cable connection to the printer, there are minimal hardware and firmware changes required to the OEM device.

### **Proven Technology Plus Extensive Features**

The SX-350 is based on proven print server technology from Silex Technology, Inc., the world's leading manufacturer of OEM print servers, so you can be assured of the highest quality and maximum reliability. Silex enterprise print servers support the most extensive range of features in the industry, including:

- Compatibility with Windows, Macintosh, UNIX, Linux, OpenVMS, OS/400, and most other types of host computers and operating systems
- TCP/IP, NetWare, AppleTalk, NetBIOS/NetBEUI, and DLC/LLC protocol support
- Compatibility with all common printing methods, including lpr/lpd, IPP, and Windows Standard TCP/IP port
- JetAdmin and Web JetAdmin management software support
- Sophisticated security features, including 802.1X authentication (TLS, TTLS, PEAP, LEAP, and FAST support), configuration passwords, access control lists, and protocol enable/disable
- Complete wireless security, including WPA2, WPA2-PSK, WPA, WPA-PSK, and WEP
- RS-232 serial port for console terminal configuration

## Frequently Asked Questions...

### How do I connect the SX-350 to my printer?

The SX-350 uses a standard 40-pin male connector that is compatible with standard Centronics/1284 pinouts. You can therefore use off-the-shelf ribbon cable (either 40-pin to Centronics or 40-pin to 40-pin, depending on your printer) to make the connection.

### What software needs to be installed on the host computer?

No special software needs to be installed on most host computers, because the SX-350 operates transparently with the standard operating system printing utilities. For example, you can use the standard Windows Printer Control Panel to set up the SX-350 using a standard TCP/IP port. You can then use the Print command from any application program to print to the SX-350.

For older Windows 98 and ME computer systems, Silex includes the ExtendNet port monitor software to provide transparent printing capabilities.

Silex also provides its sophisticated ExtendView Windows management utility, which provides sophisticated capabilities like bulk configuration of multiple print servers simultaneously. The use of ExtendView is optional, because you can configure the SX-350 via a graphical user interface that is accessible through a standard web browser. Alternatively, you can use a command line interface that is accessible via TELNET or the serial port.

### I want the SX-350 to appear as my product, not as a Silex-branded product. What can I do?

The SX-350 firmware allows you to configure your own product description (for example, "Company XYZ Super Print Server"); this description will appear when the user accesses the web browser and command line configuration interface. Other customization options are possible for a non-recurring engineering fee. Please contact Silex if you are interested in such options.

### Does the SX-350 meet FCC and international standards?

The SX-350 was designed and screened for compliance with FCC, CE, VCCI Class A EMC standards and with FCC Part 15, CE, TELEC wireless standards. However, because of the many variables involved with enclosure design, antennas, cables, etc., the actual compliance is the responsibility of the OEM.

### If new firmware becomes available, can I load more than one print server one at a time?

Yes, Silex provides the capability of downloading many print servers simultaneously.

### If I have an SX-350 with wireless capability, can I use both the wireless and the Ethernet ports simultaneously?

No. If you connect a cable to the Ethernet port, the wireless port will be automatically disabled.

## Technical Specifications

### Dimensions:

- Main PCB: 4" x 3.5" x .782"

### Interface:

- All models: Ethernet 100Base-TX/10Base-T (auto-sensing); IEEE1284 (Centronics-compatible) bidirectional parallel port
- Wireless models: 802.11a/b/g (54Mbps/11Mbps/54Mbps)

### Power:

- +5.0VDC +/- 10% (via 40-pin header or 2-pin locking vertical header)

### Environmental:

- Temperature:
  - Operating Temperature: 0° to 70° C
  - Storage Temperature: -40° to +85° C
  - Maximum temperature change per hour: 20° C
- Relative Humidity:
  - Operating: 10% to 90% non-condensing
  - Storage: 10% to 90% non-condensing
- Altitude:
  - Operating: 3.1 km
  - Storage: 9 km
- ROHS Directive 2002/95/EC compliant

### Network Printing/Management Support:

- Network protocols: TCP/IP, NetWare, AppleTalk, NetBIOS/NetBEUI, DLC/LLC
- TCP/IP application protocols: BOOTP, rarp, DHCP, tftp, arp/ping, SNMPv1/v2, IPP, lpr/lpd, TELNET, FTP, raw TCP, http

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