Attachment

User's Manual

PrintSir Plus

PS-3100+ Series

3-Port 10/100Mbps

Desktop Print Server

User's Manual

- Hardware Installation
- Features and Specifications

FCC COMPLIANCE STATEMENT

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the instructions provided with the equipment. may cause interference to radio and TV reception. The equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a commercial environment. However, there is no guarantee that interference will not occur in a particular installation.

If you suspect this equipment is causing interference, turn your print server on and off while your radio or TV is showing interference to determine the source of the interference.

You can try to correct the interference by one or more of the following measures:

1. Reorient the receiving radio or TV antenna where this may be done safely.
2. To the extent possible, relocate the radio. TV or the other receiver away from the equipment.
3. Plug the computer which has the equipment installed into a different power outlet so that equipment and the receiver are on different branch circuits.

If necessary, you should consult the place of purchase or an experienced radio/ television technician for additional suggestion.

CAUTION : The phone jack cannot be connected to telephone system.

■ Hardware Installation

Thanks for purchasing this Fast Ethernet Print Server - PS-3100+. This guide explains its external features, explains how to unpack your Print Server hardware, and tells how you can connect it to your printer and to your network.

Requirements

To use your PS-3100+, you will need :

• Printers with parallel interface.
• Ethernet network cabling, as well as a free 10Base-T hub; or Fast Ethernet network cabling, as well as a free 100Base-TX hub.
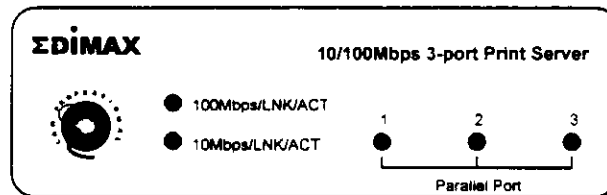
Unpacking the Print Server

When you unpack your PS-3100+, you should find :

• One Print Server with three parallel printer connectors.
• One power adapter, with an input voltage appropriate for your area.
• One 3.5 inch software diskette containing the "*PrintSir Utilities for DOS*" program.
• One 3.5 inch software diskette containing the "*PrintSir Utilities for Windows 95/98/NT*" program.
• One 3.5 inch software diskette containing the "*PrintSir LPR Print Driver for Windows 95/98*" program.
• One 3.5 inch software diskette containing the "*PrintSir WEB Management Utility for Windows 95/98/NT*" program.
• One User's Manual for software installation and configuration.
• One User's Manual for hardware installation and features/specifications.

If any of the above items is missing or damaged, contact your dealer immediately.

LED Indicators

The PS-3100+ is equipped with five LED indicators that show its current status, and can be used for diagnosing problems on the network and the PS-3100+ itself :

• **Status LEDs (green)**

The Status LED is lit :

1. When the Print Server is powered on. When power is applied to the Print Server, it performs a Power-On Self Test (POST). When the self-test is complete, the Status LEDs will blink to indicate the result of the test. Please refer to the user's manual for software configuration.

2. During normal operation. Each Status LED is for one printer respectively. The Status LEDs will flash when printing to the printer, and will be off while the printer is waiting for print jobs.

3. During software upgrade. The LEDs will be lit continuously during the upgrade. If the upgrade fails, the LEDs will stay on until the Print Server's software is successfully upgraded.

• **100M Link/ACT LED (green)**

The 100M Link/ACT LED shows the status of the Print Server's 100Mbps network connection :

1. If you are using a 100Base-TX connection to the Print Server, the 100M Link/ACT LED will normally be on to indicate a good link.

2. The 100M Link/ACT LED will flash when there is network traffic flows on the network.

• **10M Link/ACT LED (yellow)**

The 10M Link/ACT LED shows the status of the Print Server's 10Mbps network connection :

1. If you are using a 10BaseT connection to the Print Server, the 10M Link/ACT LED will normally be on to indicate a good link.

2. The 10M Link/ACT LED will flash when there is network traffic flows on the network.

Connecting to the Printer

The rear end of the PS-3100+ has three standard 25-pin parallel printer connectors. To connect the Print Server to your printer(s) :

1. Connect 25-pin connector of the printer cable to one of the parallel connectors at the Print Server.

2. Connect the other connector of the printer cable to the printer. If your printer supports more than one type of connection. make sure it is configured to use the parallel port.

3. If you have two or three printers. repeat step 1.2.

Connecting to the Network

You can connect the PS-3100+ to either a 100Base-TX Fast Ethernet network or a 10BaseT Ethernet network using twisted-pair cabling.
To connect the Print Server to your Fast Ethernet or Ethernet network,

1. Make sure that the cable between the Print Server and your hub is no longer than 100 meters. Use an ordinary straight-through twisted-pair cable. Category 3 or better quality for 10BaseT connection; or use a Category 5 straight-through twisted-pair cable for 100Base-TX connection.

2. Locate an unused port on your hub or concentrator. Plug the RJ-45 connector on one end of your twisted pair cabling into the port.

3. Plug the other end of the cable into the Print Server's RJ-45 connection. If both the hub and the Print Server are powered on. the Link indicators of both the hub and Print Server should light to indicate a good connection between the hub and the Print Server.

NOTE : Use only the power adapter included with your Print Server. Damage may result if an incorrect power adapter is used.

4

■ Features & Specifications

Features

- One 10BaseT/100BaseTX, auto-sensing port.
- Three parallel ports.
- Windows 95/98 only network printer share support.
- Quick and easy installation, support DHCP server and client.
- Web-based management enables administrator using web browser to view and configure the print server.
- Wall mountable.

Specifications

- One STP connector
- Three 25-pin parallel printer connectors
- Support SPP mode
- Network data transfer rate : 10/100Mbps auto-sensing
- Standards : IEEE 802.3 10BaseT Ethernet.
        IEEE 802.3u 100BaseTX Fast Ethernet.
- LED indicators :
    Green LED for 100Mbps Link OK/Carrier Sense.
    Yellow LED for 10Mbps Link OK/Carrier Sense.
    Three green LEDs for the Print Server's status.
- Maximum power consumption : 500mA
- Power adapter : 6VDC/1A
- Dimensions : 220cm x 116.5cm x 32 cm
- Weight : 775g
- Temperature : 0 to 45^{0}C (operating)
- Certifications :
    FCC Class B
    CE Mark certification

Models

1. PS-3100A+ : Print Server for all protocols, including IPX/SPX, TCP/IP, supports NetWare Bindery/NDS mode, Windows NT 3.x/4.x, UNIX, Windows 95/98 Network.
2. PS-3100W+ : Print Server for Windows only, supports Windows 95/98/NT network using TCP/IP protocol.

5

PrintSir Plus

PS-1100+ Series

1-Port 10/100Mbps

Desktop Print Server

User's Manual

- ■ Hardware Installation
- ■ Features and Specifications

FCC COMPLIANCE STATEMENT

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the instructions provided with the equipment, may cause interference to radio and TV reception. The equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a commercial environment. However, there is no guarantee that interference will not occur in a particular installation.

If you suspect this equipment is causing interference, turn your print server on and off while your radio or TV is showing interference to determine the source of the interference.

You can try to correct the interference by one or more of the following measures:

1. Reorient the receiving radio or TV antenna where this may be done safely.
2. To the extent possible, relocate the radio, TV or the other receiver away from the equipment.
3. Plug the computer which has the equipment installed into a different power outlet so that equipment and the receiver are on different branch circuits.

If necessary, you should consult the place of purchase or an experienced radio/ television technician for additional suggestion.

CAUTION : The phone jack cannot be connected to telephone system.

■ Hardware Installation

Thanks for purchasing this Fast Ethernet Print Server - PS-1100+. This guide explains its external features, explains how to unpack your Print Server hardware, and tells how you can connect it to your printer and to your network.

Requirements

To use your PS-1100+, you will need :

- A Printer with parallel interface.
- Ethernet network cabling, as well as a free 10Base-T hub; or Fast Ethernet network cabling, as well as a free 100Base-TX hub.
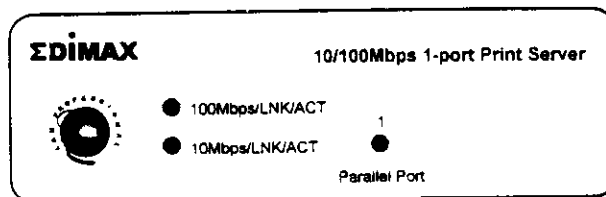
Unpacking the Print Server

When you unpack your PS-1100+, you should find :

- One Print Server with one parallel printer connector.
- One power adapter, with an input voltage appropriate for your area.
- One 3.5 inch software diskette containing the "*Print Server Utilities for DOS*" program.
- One 3.5 inch software diskette containing the "*Print Server Utilities for Windows 95/98/NT*" program.
- One 3.5 inch software diskette containing the "*Print Server LPR Print Driver for Windows 95/98*" program.
- One 3.5 inch software diskette containing the "*Print Server WEB Management Utility for Windows 95/98/NT*" program.
- One User's Manual for software installation and configuration.
- One User's Manual for Hardware installation and features/specifications.

If any of the above items is missing or damaged, contact your dealer immediately.

LED Indicators

The PS-1100+ is equipped with three LED indicators that show its current status, and can be used for diagnosing problems on the network and the Print Server itself :

```
┌─────────────────────────────────────────────────────┐
│                                                       │
│  ΣDiMAX              10/100Mbps 1-port Print Server   │
│                                                       │
│         ● 100Mbps/LNK/ACT                             │
│                                   1                   │
│         ● 10Mbps/LNK/ACT        ●                     │
│                                 Parallel Port         │
│                                                       │
└─────────────────────────────────────────────────────┘
```

• **Status LED (green)**

The Status LED is lit :

1. When the Print Server is powered on. When power is applied to the Print Server, it performs a Power-On Self Test (POST). When the self-test is complete, the Status LED will blink to indicate the result of the test. Please refer to the user's manual for software configuration.
2. During normal operation. The Status LED will flash when printing to the printer, and will be off while the printer is waiting for print jobs.
3. During software upgrade. The LED will be lit continuously during the upgrade. If the upgrade fails, the LED will stay on until the Print Server's software is successfully upgraded.

• **100M Link/ACT LED (green)**

The 100M Link/ACT LED shows the status of the Print Server's 100Mbps network connection :

1. If you are using a 100Base-TX connection to the Print Server, the 100M Link/ACT LED will normally be on to indicate a good link.
2. The 100M Link/ACT LED will flash when there is network traffic flows on the network.

• **10M Link/ACT LED (yellow)**

The 10M Link/ACT LED shows the status of the Print Server's 10Mbps network connection .

1. If you are using a 10BaseT connection to the Print Server, the 10M Link/ACT LED will normally be on to indicate a good link.
2. The 10M Link/ACT LED will flash when there is network traffic flows on the network.

Connecting to the Printer

The rear end of the PS-1100+ has one standard 25-pin parallel printer connector. To connect the Print Server to your printer :

1. Connect 25-pin connector of the printer cable to the parallel connector at the Print Server.
2. Connect the other connector of the printer cable to the printer. If your printer supports more than one type of connection, make sure it is configured to use the parallel port.

Connecting to the Network

You can connect the PS-1100+ to either a 100Base-TX Fast Ethernet network or a 10BaseT Ethernet network using twisted-pair cabling.
To connect the Print Server to your Fast Ethernet or Ethernet network.

1. Make sure that the cable between the Print Server and your hub is no longer than 100 meters. Use an ordinary straight-through twisted-pair cable, Category 3 or better quality for 10BaseT connection; or use a Category 5 straight-through twisted-pair cable for 100Base-TX connection.
2. Locate an unused port on your hub or concentrator. Plug the RJ-45 connector on one end of your twisted pair cabling into the port.
3. Plug the other end of the cable into the Print Server's RJ-45 connection. If both the hub and the Print Server are powered on, the Link indicators of both the hub and Print Server should light to indicate a good connection between the hub and the Print Server.

NOTE : Use only the power adapter included with your Print Server. Damage may result if an incorrect power adapter is used.

4

■ Features & Specifications

Features

- One 10BaseT/100BaseTX. auto-sensing port.
- One parallel ports.
- Windows 95/98 only network printer share support.
- Quick and easy installation. support DHCP server and client.
- Web-based management enables administrator use web browser to view and configure the print server.
- Wall mountable.

Specifications

- One STP connector
- One 25-pin parallel printer connectors
- Support SPP mode
- Network data transfer rate : 10/100Mbps auto-sensing
- Standards : IEEE 802.3 10BaseT Ethernet.
  IEEE 802.3u 100BaseTX Fast Ethernet.
- LED indicators :
  Green LED for 100Mbps Link OK/Carrier Sense.
  Yellow LED for 10Mbps Link OK/Carrier Sense.
  Three green LEDs for the Print Server's status.
- Maximum power consumption : 500mA
- Power adapter : 6VDC/1A
- Dimensions : 220cm x 116.5cm x 32 cm
- Weight : 750g
- Temperature : 0 to 45°C (operating)
- Certifications :
  FCC Class B
  CE Mark certification

Models

1. PS-1100A+ : Print Server for all protocols. including IPX/SPX. TCP/IP. supports NetWare Bindery/NDS mode. Windows NT 3.x/4.x, UNIX. Windows 95/98 Network. Supports remote printer function under NetWare environment.
2. PS-1100W+ : Print Server for Windows only. supports Windows 95/98/NT network using TCP/IP protocol.

5

CE