

ETHERNET INFORMATION

Monarch® offers an internal Ethernet connectivity solution. The MonarchNet™ Ethernet Print Server makes it easy to setup and configure printers on a network. It allows you to consistently configure your printers through the network. You can also remotely manage and download upgraded print batches, formats, printer configurations, and fonts.

The MonarchNet print server supports the Monarch® 9840™ (version 6.5 or greater) or Monarch® 9850™ (version 1.0 or greater) printer linked to an Ethernet connection.

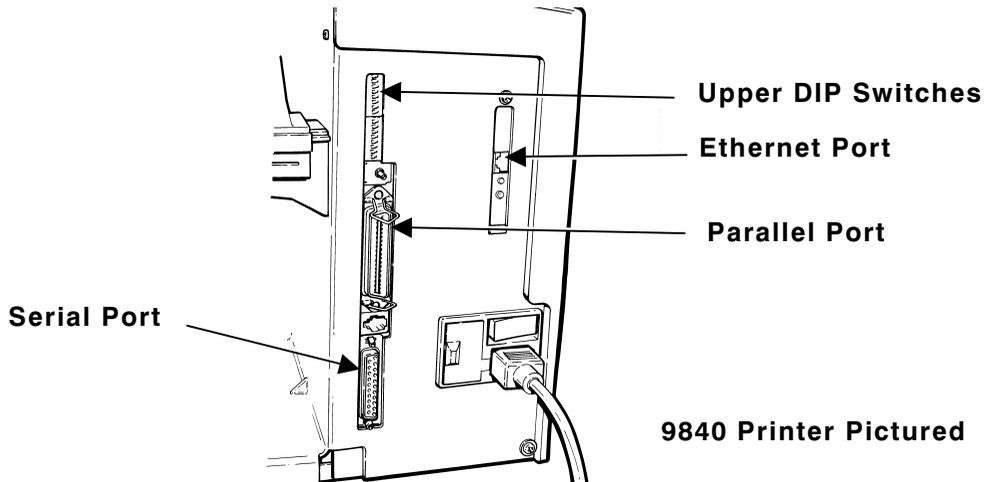
The print server supports multiple network protocols for users with Telnet/FTP, Windows® 95/98/2000 or Windows NT®, TCP/IP (including lpr/lpd, Bootp, DHCP, and HP JetDirect™), Novell® NetWare® and NDS, and SNMP. All protocols are simultaneously active.

When turning on the printer or after sending a ^PR (printer reset) immediate command, wait at least eight (8) seconds before sending data to the print server. Any data sent to the print server before the 8-second interval may be lost.

Setting Up the Print Server

For the 9840 printer:

To use the Ethernet print server (with the 9840 printer), upper DIP switch 8 must be turned ON. This enables the bi-directional communication.



Do not plug any cables into the parallel port when using the Ethernet port.

A printer with an Ethernet port cannot use the parallel port. However, the serial port is still active.

For the 9850 printer:

From the Main menu, select Setup, Port Settings, then Parallel Comm. Then, follow these steps:

1. Press \ominus or $\omin�$ until you see

```
PARALLEL COMM
Port  →
```

2. Press **Enter/Pause**. You will see the current setting, for example

```
PORT
← Internal
```

3. Press **Enter/Pause** to select the internal port. After setting the port to internal, change the MODE to enable bi-directional communications.

4. Press ← or → until you see

```
PARALLEL COMM
← Mode
```

5. Press **Enter/Pause**. You will see

```
MODE
Compatible →
```

6. Press → to display the other option, **IEEE1284** and press **Enter/Pause**. This selects IEEE1284 for bi-directional Ethernet communications. (Compatible mode is used with a computer connection and a parallel cable.)

Configuring the Print Server

Software is available on Monarch's Web site (www.monarch.com) to configure the print server or you can order part number TC9840ENCD for the MonarchNet™ Utilities compact disc. It can also be configured using HP Jet Admin™ or HP Web JetAdmin™ software.

A Technical Reference Manual, which includes additional Ethernet set-up and configuration information, is also available on our Web site. You can also order part number TC9800ENTR for a printed copy of the Technical Reference Manual.

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Printing a Configuration Label

Configuration information prints automatically if the Ethernet print server senses a hardware error. To print configuration information on demand, press the Test button on the side of the Ethernet print server unit or use the configuration utility provided for your network operating system.

The configuration label prints in MPCL format.

The configuration label is best displayed using 4" wide by 6" long labels. If the label is too small, some information may print outside the label edges.

Monarch Marking Systems

General

Serial Number:	1949614
Ethernet Address:	0040681DBFAE
Speed:	10Mbps
F/W Version:	6.3b (A024A)
Cable Type:	10 BASET
Link Status:	Good
Polarity:	Normal
Rx Packets:	4243
Rx Packet Unavail:	2
Rx Packet Errors:	0
Checksum Errors:	0
Tx Packets:	272
Tx Packet Errors:	0
Tx Packet Retries:	0

Error

Network:	None
TCP/IP:	None

Netware: ENABLED

Mode:	Unknown
Print Server Name:	MMS1949614
SAP Interval:	1 Minute
Frame Format:	Ethernet 802.3

TCP/IP: ENABLED

System Name:	MMS1949614
Web Address:	http://10.1.155.162
IP Address:	10.1.155.162
IP Address Source:	DHCP (10.1.10.41)
Subnet Mask:	255.255.0.0
Default Gateway:	0.0.0.0
Timeout Checking:	Enabled

Jet Admin: ENABLED

Port Configuration

Name:	
Printer Status:	Online
Connected To:	printer
Error	None