



## Remote Internet Printing Software

### *Print for FREE across the Internet*

The LEB104 new Printranet software allows Windows 95 users to print jobs on a printer equipped with an LEB100, LEB101 or LEB102 print server at a remote location by using the Internet as the transport mechanism. This means that a user in Chicago could print a job on a printer in Paris at virtually no cost, because there are no long-distance toll charges associated with the Internet, and because it's based on E-mail protocols, there are no problems with Internet firewalls.

Printranet can handle a wide variety of remote printing applications including:

- ▶ **Fax Replacement** . Printranet is a great alternative to fax machines, not only because of the lower communications costs, but also because documents can be printed out at a much higher resolution (600 dpi or even 1200 dpi, compared to about 200 dpi maximum for a fax) and, if the printer supports it, can be printed out in colour.
- ▶ **Remote Proofing**. Printranet is great for graphic designers, architects and others who need to send concept drawings and reproduction proofs to their clients.
- ▶ **Remote Production Printing**. Printranet allows users to send documents to be printed out on high-speed or special-purpose printers located at another site.
- ▶ **Distribution of Documents between Companies** Printranet is ideal for distributing hardcopy information between different companies. For example, a manufacturer could use Printranet to send sales information to its dealers in colour and at the highest possible resolution and because of its use of email protocols, Printranet minimises configuration and security issues.
- ▶ **Legal Documents** Printranet is useful for sending legal documents and other information where it is not desirable to allow the recipient to modify the contents of the document.
- ▶ **Replacement of Leased and Dial-up Lines** If you are using leased or dial-up lines exclusively for printing, replacing them with the Printranet remote printing approach is a 'no-brainer'. The cost if Internet access is so low that the payback is very quick, especially when printing to international locations.

The printer at the remote site can be connected to any Ethernet or Fast Ethernet print server. The print server can simultaneously handle Printranet print jobs and print jobs from NetWare, Windows NT, Windows95, Warp Server, TCP/IP, AppleTalk, DEC LAT, and/or Banyan VINES computers on the LAN

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## Simple To Configure

The Printranet software is easily installed using a standard Windows95 Installation Wizard. This creates a virtual port on the Windows95 operating system, which can be accessed similar to the standard LPT1 parallel port. You use the normal Windows95 Print Manager to add a printer, and connect that printer to the virtual port. You can then print from virtually any application programme by simply selecting that printer as the destination.

You can configure multiple Printranet virtual ports on a single Windows95 computer to handle several remote printers.

Printranet is compatible with standard Windows95 printer drivers, including those for Hewlett-Packard, Lexmark and almost every other kind of printer.

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## Easy to Use

Once the Printranet software is installed and the new printer is added, you can transparently access this printer as if it were a local printer. No special training is required, since there are no changes from the normal Windows95 printing procedure.

## How it Works

Printranet works by converting the print job from an application programme into an e-mail message via MIME-encoding. The e-mail message is then sent through either a MAPI or WINSOCK interface on the Windows95 system to an e-mail server, which then forwards the message over the Internet. The MAPI and WINSOCK compatibility means that Printranet can be used with most common e-mail software packages.

Note that the Windows95 system can be either on a Local Area Network, or it can be connected via a modem to an Internet Service Provider (ISP) via the Point-to-Point Protocol (PPP).

After the e-mail message is received by an e-mail server at the receiving end, it is then transferred via the POP3 protocol to a print server. This print server decodes the message and prints it out on the printer. As an option, the print server can send an acknowledgement back to the sending Windows95 system when the job is complete.

Note that another advantage of Printranet is that the remote printer does not need to be on-line when the Windows95 system sends a print job. This is particularly advantageous if the remote site is connected to an ISP via a dial-up line connection.

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## Prerequisites

Printranet requires the following prerequisites:

- Windows95 PC with at least 8MB memory (16MB recommended for maximum performance) at the sending site
- E-mail software on the Windows95 PC that supports either MAPI or WINSOCK connections
- E-mail server with SMTP support at the sending site, or access to an Internet Service Provider (ISP) that has SMTP capabilities
- LEB100, LEB101 or LEB102 print server with V.34 or later firmware at the remote site.
- E-mail server with POP3 support at the remote site (SMTP support also required if job acknowledgement feature is enabled).

Product Code	
<i>Code</i>	<i>Description</i>
LEB104	Printranet Software 10-user License