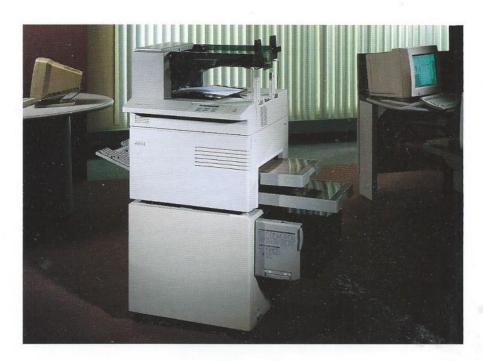# PrintServer 32

High-Speed Departmental Printer That You Can Run From Your Desktop

digital

Managing a departmental printer can keep you running. Running back and forth to check print status. Running to check the paper and toner. You also have to take care of the sometimes conflicting demands of users who may have short jobs they need printed now, and users with large or complex documents that could tie up smaller printers—and other users—for a long time. And, you want to take care of these varied printing needs efficiently and economically.

The PrintServer 32 is the high-volume, departmental printer designed to be managed from your desktop. The printer "talks" to you, allowing you to monitor all print functions from anywhere on the network. You can change printer and queue setups, and even re-queue print jobs to a different printer. It gives you better control of your printing environment with centralized accounting and user access control. The PrintServer 32 even tells users when their print jobs are ready so they don't have to run back and forth from the printer.

This powerful printer provides shared printing facilities for users of VAX/VMS, ULTRIX, BSD UNIX® and Digital's OSF/1 V1.0 on DECnet and TCP/IP Ethernet networks, and is intended to serve departments that print up to 150,000 pages per month. The PrintServer 32 prints up to 32 impressions per minute, single-sided (simplex) or double-sided (duplex), so it makes quick work of users' biggest print jobs. And despite its powerful capabilities, it makes printing simple. It can print many complex print jobs, such as complicated graphics and multifont text, as well as simple mail messages. The PrintServer 32 is connected directly to Ethernet, making it more easily accessible to all users. The PrintServer 32 uses PostScript™, by Adobe Systems, Inc., the industry-standard page description language.

Highlights

- Prints up to 32 impressions per minute to handle high-volume network printing needs.
- Communicates all its print functions to the system manager, so it can be easily managed from the desktop.
- Gives the system manager better control of the printing environment with centralized accounting and user access control.
- Connects directly to Ethernet, so it is easily accessible to all users.
- Accepts print jobs from both DECnet and TCP/IP, thus eliminating the need for two dedicated printers.
- Utilizes PostScript, the industry-standard page description language.
- Allows choice of simplex or duplex configurations depending on printing requirements and budget.
- Loads resources such as PostScript logos, letterhead, forms, and soft fonts for greater printing performance, eliminating the cost of pre-printed forms and letterhead.
- Provides user with a User Feature Card to reference common print commands.
- Offers users and the system manager greater flexibility in managing and monitoring print jobs through Printer Management Software.

The PrintServer 32 Can Handle the Tough Jobs…Easily

The PrintServer 32 is designed for the busy department that produces both large or complex documents, as well as simple jobs. It prints up to 32 impressions, simplex or duplex, in a minute, while handling users' varied needs. For example, one tray can handle plain paper while another handles transparencies or corporate letterhead, and users tell the printer which tray, or combination of trays, they want. And there is no need to check with co-workers on which protocol is enabled before printing, because users can select from a variety of translations. This software alternative to printer emulation allows the PrinterServer 32 to handle any number of print protocols on a first-come, first-served basis. With the PrintServer 32, there are no surprises when users go to the printer, such as getting plain paper instead of transparencies or garbled PostScript data.

The PrintServer 32 is designed to provide greater printer performance and ease of use. The system manager can load the PrintServer 32 with such resources as PostScript logos, letterhead, forms, and soft fonts. The user has immediate access to these special features at boot time as though they are resident in the printer. This also eliminates the need to purchase pre-printed material, lowering the overall cost of printing. The printer's duplex printing capability allows the user to print on both sides of the page, saving paper costs. Or the user can print more than one page image on each side of the page. This unique feature, called number-up, lets you specify the number of page images to print on each side of a page for review of document layout, comparison of black-to-white space, or to conserve on paper usage.

Printer Management from the Desktop

The PrintServer 32 allows the system manager to monitor all print functions from the desktop and allows more control of the printing environment. This is extremely important when printing a top priority job, or when the system manager wants a specific department to be the sole user of the printer. The system manager can conveniently track print usage on a per-user basis for all jobs sent to the PrintServer. This allows billing for printer usage on a per sheet, per side, and/or per CPU time basis which helps the system manager plan printer resources. Printer defaults can also be set and problems can be diagnosed remotely from anywhere on the network, thus saving the system manager time.

Professional-Looking Documents Right Away

The PrintServer 32 produces sharp images and offers the flexibility to print documents any way you want them. DECimage, Digital's image-rendering technology, enhances printed images with crisper edges, finer details, and greater overall quality without additional hardware. The image detail approaches that of an 800 to 1000 dpi printer.

Because the PrintServer 32 uses the PostScript page-description language, users can produce complex documents in fonts of a variety of sizes, weights and styles. They can print rotated type, textures and patterns, halftones and images in virtually any size or shape. Users are also assured of true print file compatibility with, and access to, a large selection of PostScript applications. Digital also supports applications that are not PostScript through its host-based translators.

Powerful Software Makes Your Job Easier

Digital's PrintServer printers are complete printing systems consisting of both hardware and licensed software. Each PrintServer printer is a node on an Ethernet network, with the PrintServer software handling all PrintServer printer management functions.

Future releases of PrintServer software will give your PrintServer 32 additional functions, while protecting your hardware investment.

Supporting Host and Print Client Software

PrintServer software has two discrete components: Supporting Host and Print Client.

Supporting Host — One or more systems within an Ethernet network is designated as a Supporting Host. The Supporting Host software provides management functions and file services that enable the system manager to control the usage and configuration of the PrintServer printer. These include reliable, secure, network access control, and a centralized accounting utility.

Print Client — The Print Client software resides on each system that prints directly to the PrintServer printer. The Print Client software uses a print supervisor to process requests from designated print queues. A software translator is used to convert non-PostScript files into the PostScript language.

Support When You Need It

Digital offers a complete solution for your printing needs — and an important part of that is support you can count on. Digital support for the PrintServer 32 begins before you buy, and continues for as long as you need it. We also offer a broad range of accessories and supplies. That's not surprising from a company that backs its printers with a world-wide service organization. All our efforts are geared to helping you get the most from your Digital printer. This high level of quality and dedication to customers large and small is exactly what you'd expect from an industry leader.

PrintServer 32 Ordering Information

LPS32-A*	PrintServer 32, Simplex 1500-input, 1500-output
LPS32-C*	PrintServer 32, Duplex 1500-input, 1500-output
LPS3X-DA	PrintServer 32 Duplex Upgrade Kit

Supplies

LPS3X-AA	Toner Kit (30,000 pages)
LPS3X-AC	Drum and Supplies Kit (100,000 pages)
LPSXX-AD	Maintenance Kit (60,000 pages)

Client Software

VMS Client	See SPD 32.41.XX
ULTRIX Client	See SPD 26.40.XX
UNIX Client	See SPD 38.53.XX
SPARC Client	See SPD 42.21.XX

Supporting Host Software

VMS Supporting Host	See SPD 27.68.XX
ULTRIX Supporting Host	See SPD 30.85.XX
UNIX Supporting Host	See SPD 38.53.XX
SPARC Supporting Host	See SPD 42.21.XX

PrintServer 32 Specifications

Speed (Max. 8.5 × 11 in. impressions per minute)	32 (simplex or duplex)
Recommended Impressions/ Month (Max.)	150,000
Number of colors	1
Paper Type	Cutsheet Labels (special stock required), Transparencies
Paper Thickness	18–24 lb.
Paper Input 3 Cutsheet Trays Primary Input Tray	1,500 total 1,000
Paper Output 2 Cutsheet Trays	1,500 total
Paper Sizes	Letter, Executive, Legal, A3, A4, A5, B4 and B5 sizes

*Specifies country-specific variant

For More Information

For more information on the PrintServer 32 printer, contact your Digital sales representative or Authorized Digital Reseller. For more details on PrintServer software or heterogeneous computing environment support, refer to Digital's Network Printing Handbook (EC-H1490-56).

PrintServer 32 Specifications (continued)

Resident Fonts	29
Optional Fonts	Downloadable
Characters per inch	Varies depending on fonts
Lines per inch	Varies depending on fonts
Graphics Protocols	HP PCL, ANSI/Sixel, ReGIS, TEKTRONIX® 4010/4014, PostScript, ASCII
Resolution (dpi)	300×300
Forms	Yes, through setup modules and third-party software
Bar Codes	Yes, through ANSI translator and optional ON-TAP® software
Interfaces	DECnet and TCP/IP Ethernet
IBM® PC-compatible	Yes, with optional software
Noise Level	<55 dBA
Dimensions	37 W × 27 D × 50 H (in) 93.5 W × 69 D × 126 H (cm)
Weight	without paper: 155 Kg; 341 lbs. with paper: 185 Kg; 407 lbs.