DECserver 90TL Telnet/LAT Terminal Server

Product Description

Designed for high-speed asynchronous connections to UNIX, ULTRIX, VMS, DOS, and multivendor network services, the DECserver 90TL delivers the performance of a mid-range terminal server in a compact, low-cost module. This eight-port Telnet/LAT terminal server offers industry-standard connections at speeds of up to 57.6 Kb/s. It supports TCP/IP, Telnet, LAT, and SLIP protocols and several remote management systems. Like other members of the WorkGroup family of networking products, it can be used interchangeably as a standalone unit and in the DEChub 90.

The server's support for TCP/IP-Telnet and Domain Name Service (DNS) protocols provides for multivendor connectivity and wide area terminal service. LAT protocol, a highly efficient local area terminal service, accommodates a variety of host systems from Digital and other vendors.

With TCP/IP-SLIP, the DECserver 90TL becomes a static IP end-node router for PCs connected to the serial ports. The server provides TCP/IP communications to connect these PCs to each other and to any service on the network. These low-cost connections, via a telephone line and modem, are excellent for connecting branch and other remote operations.

The DECserver 90TL can be managed in a variety of network environments using SNMP or MOP, which are integral to the server. Terminal Server Manager (TSM) V1.5, Telnet Remote Console, and MOP Remote Console are useful for checking status or reconfiguring the server remotely.

Several productivity-enhancing features are included. With one server, users can simultaneously access 64 different sessions operating under a mix of protocols. This minimizes the need to log in and out of sessions. The server supports Terminal Device/Session Management Protocol (TD/SMP). Its preferred service feature expedites connections to specific services. On-demand font loading, especially useful for Asian terminals that require dynamic font capabilities, is also included.

Industry-standard MJ8 (RJ45-style) connectors provide data, DSR, and DTR signals to most modems and printers. As an added security feature, system managers can dedicate a port to just one service, or assign group codes to restrict access to network services.

New DECserver software, also used with the DECserver 700 series, can be downline-loaded from ULTRIX, UNIX, VMS, or MS-DOS (via PATHWORKS for DOS) operating systems using BOOTP/TFTP or MOP. The server software license is included with the DECserver 90TL.

Features

- Multiprotocol capabilities—Supports Telnet, LAT, TCP/IP and SLIP protocols
- Configuration flexibility—Operates standalone or in the DEChub 90
- Investment protection—Features upgradeable software and memory
- Network management—Manageable remotely using SNMP, Terminal Server Manager (TSM) V1.5, MOP Remote Console, and Telnet Remote Console
- High speed—Supports high bandwidth asynchronous devices at speeds of up to 57.6 Kb/s
- Modem/printer/device control—Uses industry-standard MJ8 (RJ45-style) connections that provide data, DSR, and DTR signal capabilities
- Ease of use—Features front panel LEDs to provide port, module, and network status and activity at a glance

Ordering Information

DECserver 90TL for standalone use; includes power supply.
Note: Server software included

DSRVE-AA	U.S., Canada, Japan
DSRVE-AD	Denmark
DSRVE-AE	U.K.
DSRVE-AI	Italy
DSRVE-AK	Switzerland
DSRVE-AT	Israel
DSRVE-AX	Austria, Belgium, France, W. Germany, Finland, Holland, Norway, Sweden, Portugal, Spain
DSRVE-AZ	Australia
DSRVE-BJ	India
DSRVE-MA	DECserver 90TL for use with DEChub 90 (power supply not included)
H7082-AA	120-V power supply with internal power connection
H7082-AB	240-V power supply with IEC connection
H0342-AA	Snap-on cover for hub-based model of the DECserver 90TL

Note: Prefix the DECserver 90TL order code with DL- to order 24 units.

QA-MJPAA-Hx	DECserver media and documentation kit (VMS)
QA-MJPAB-Hx	DECserver media and documentation kit (ULTRIX)
QA-MJPAC-HB	DECserver media and documentation kit (DOS—RX24 media)

Note: x = media; 5 = TK50; M = 1600-bit/in. magtape

Configuring Information

The DECserver 90TL features eight MJ8 (RJ45-style) connectors that support asynchronous device connections. It has an integral BNC for connection to ThinWire Ethernet, a connector for insertion into the DEChub 90, and a connector for the standalone power supply. Eight DECserver 90TL modules in the hub provide 64 connections; two daisychained DEChub 90 units can support 128 connections. The DECserver 90TL can also be combined with WorkGroup Family repeaters, bridges, and LAT-only terminal servers in the DEChub 90.

Specifications

Dimensions:	3.2 cm (1.25 in.) × 27.9 cm (11 in.) × 14.0 cm (5.5 in.)
Weight (without power supply):	0.77 kg (1.7 lb)
Connectors:	• ThinWire BNC for Ethernet • 8 MJ8 connectors (RJ45-style) for asynchronous lines • standalone power supply
Software:	DECserver downline-loadable software
Load hosts:	ULTRIX/RISC, ULTRIX/VMS, UNIX, VMS, and PATHWORKS for DOS
Protocols:	Telnet, TCP, UDP, IP, ARP, SLIP, LAT, BOOTP/TFTP, SNMP, DNS, TD/SMP (initial software release)
Port speeds:	Autobaud or user selectable from 75 b/s to 57.6 Kb/s
Characters:	7 or 8 bit characters, 1 or 2 stop bits
Parity:	None, even, odd, space, mark
Flow control:	XON-XOFF or DSR/DTR (2-wire)
Maximum throughput:	30K cps
Operating temperature:	5° C–50°C (41°F–122°F); convection cooled