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DECserver ä 732

The DECserver 732 is the high density, high performance member of Digital Networks award winning family of multi-protocol asynchronous device servers. The DECserver 732 provides an ideal solution for connecting any serial device including terminals, printers, modems, bar-code-readers, scanners, cash registers, laboratory instruments, numerically controlled factory equipment or system console ports to an Ethernet network. The DECserver 732 provides the ideal mix of performance, features, reliability and manageability to support an array of customer applications including factory and laboratory automation, retail point-of-sale, telecommuting, legacy terminal-to-host and console port management.

Application Areas:

- *Console Port Management* providing local or remote out-of–band connectivity to device console ports. LAN- and WAN-based console port access is widely used for configuration and management of systems and devices in complex networks
  - Enterprises for whom network is mission critical (e.g., financial institutions, banks, hospitals and ISPs)
  - Enterprises with many remote locations with equipment that needs to be managed (e.g., ISPs, telecommunications carriers)
  - IT/Network Managers needing local or remote access to multiple console ports
- *Asynchronous Device Server* providing connectivity for RS232- and RS422-based devices as part of integrated solution for:
  - Suppliers of retail point-of-sale systems
  - Integrators of building automation equipment
  - Process control manufacturers
  - Security scanners, card and bar code readers
- *Asynchronous Remote Access Server* providing dial-up modem connections for telecommuters and traveling or remotely located workers
  - Enterprises seeking to extend dial-up access to their telecommuting employees and business partners
  - Enterprises seeking an inexpensive, ubiquitously available backup for VPN services
- *Terminal Server* providing connectivity for traditional terminal –to-host computing environments
  - Enterprises that maintain applications where terminal-to-host applications remain cheapest and most reliable network method (e.g., call centers, data entry systems, reservation systems)

DECserver Product Differentiators

- Experience – Over 1,000,000 million DECservers have been deployed all over the world
- Reliability – 8 years of continuous enhancement to the current DECserver firmware base
- Knowledge – Digital Network's Sales Engineers provide asynchronous connectivity solutions
- Key application partners to support customer solution needs

Qualifier Questions

For Uncovering an Application Need:

- How do you handle console management today?
- Is your environment critical such that there is a need to access your consoles in event of network failure?
- Are you looking for a redundant system for console management?
- Does the customer operate in a building automation, manufacturing or retail environment supporting asynchronous device servers?
- Is customer looking to introduce remote access via dial-up modems?
- Does customer environment contain terminal-to-host computing environment?

For Assistance in Systems Implementation:

- What standards supported by your devices for connectivity to DECserver?
- Is there an existing DEChub™ 90 or MultiSwitch™ 900?
- Is this to be a stand-alone or hub-based configuration?

Ordering Information

Part Number	Description
DSRVW-KA	DECserver 732, 32-port asynchronous device server includes DECserver Network Access Software CD-ROM firmware, software utilities, and documentation kit with license, H8585-AA DB9-to-MJ8 adapter for PC asynchronous port, BN25G-03 console port cable, rack mount bracket kit
DSRVW-KC	DECserver 732, 32-port asynchronous device server includes DECserver Network Access Software CD-ROM firmware, software utilities, and documentation kit with license, H0345-AA 2MB flash card, H8585-AA DB9-to-MJ8 adapter for PC asynchronous port, BN25G-03

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DECserver Product Family Comparison

Feature	DECserver 90M	DECserver 700-08	DECserver 700-16	DECserver 732	DECserver 900TM
Asynch Ports	8 – RJ45 (MJ8)EIA423	8 – DB25 EIA423	16 – RJ45(MJ8) EIA423	**32 – RJ45(MJ8) EIA423**	32 – RJ45(MJ8) EIA 423
Asynch Port Speed	57.6K/bps	115.2K/bps	115.2K/bps	**115.2K/bps**	115.2K/bps
Modem Control	DTR/DSR	Full RS232 4-wire software	Selectable [1] 4-wire software	**Selectable [1] 4-wire software**	Selectable [1] 4-wire software
Ethernet Port • **ThinWire** • **10BaseT** • **AUI** • **DEChub 90** • **MultiSwitch 900**	 Yes Yes - Yes Yes	 - Yes Yes - -	 - Yes Yes - -	 **-** **Yes** **Yes** **-** **-**	 Yes[2] Yes[2] Via DEHULA[2] - Yes
Flash	Yes – 2MB onboard	Optional – 2MB flash card (HO345-AA)	Optional – 2MB flash card (HO345-AA)	**Optional – 2MB flash card (HO345-AA)**	Optional – 2MB flash card (HO345-AA)
Environment • **Tabletop** • **Rack-mount** • **DEChub 90** • **MultiSwitch 900**	 Yes Yes Yes Yes	 Yes Yes - -	 Yes Yes - -	 **Yes** **Yes** **-** **-**	 - Yes - Yes
Management	Command Line Interface (CLI), Access Server Manager (ASM) Windows-based GUI and SNMP-based *clear*VISN				
Software **Protocols:** • **Terminal:** • **Serial:** • **Printing:** • **Dial-up** • **Device-to-host** • **Security**	DECserver Network Access Software (DNAS) CD-ROM shipped with every unit LAT, Telnet, Rlogin, TN3270, DNS support Reverse LAT, LPD, Telnet listener/Server, Raw TCP Listener/Server IP over PPP, SLIP, CSLIP, IPX and AppleTalk over PPP, AUTOLINK (automatic port configuration for link protocols), IP static routing, inactivity and keep-alive timers Reverse LAT, Telnet listener/Server, Raw TCP Listener/Server PAP, CHAP, RADIUS client and Server, SecurID, onboard user name/password, RADIUS Proxy for OTP Menus, Command groups, Command line recall and edit, Online help, SNMP				

[1] Supports either of two sets of modem/control signals: CTS, DSR, RTS and DTR or RI, DCD, DSRS and DTR. Selection is made per port via software.
[2] Stand-alone operation requires the use of a "docking station" DEHUA-**. The docking station provides power and a standard AUI Ethernet port. ThinWire connections require a MAU, part number DECXM-AA. 10baseT connections require a MAU; part number DETPM-AA