# DNAS V3.6

## Increase Your Response Time to Serial Network Events

A high-performance operating software that runs on Digital Networks' DECserver products, DNAS V3.6 allows you to manage and monitor any of your local and remote, in-band, and out-of-band serial devices.

### Event Notification

Now you can respond immediately to network events using your DECserver. Using DNAS, you get to define what type of network events you want to be notified of and how (email, pager, PDA – any SMTP devices). Plus, you control who gets notified, allowing you to designate contacts for different network events.

➢ Port Alerts
**DSR State Change**
Using this feature, a notification is sent indicating that the data communication equipment attached to your DECserver is not attached any longer or is without power.

➢ SNMP Alerts
**Authentication Failure**
Have an authentication failure notification sent to you when your DECserver's SNMP agent receives an SNMP request for an IP address that wasn't configured for such a request.

**Cold Start**
Use a cold start notification to let you know when power to the DECserver goes off and then back on again, which may indicate an unexpected restart resulting from a crash or a major fault.

**Link Up/Link Down**
These notifications let you know that one of the DECserver's ports configured as a network interface (PPP, SLIP or CSLIP) has come up or been disconnected.

**Account Threshold Exceeded**
Protect against data loss when using account threshold exceeded notification that notifies you when the DECserver's accounting log has crossed the configured threshold.

### Out-of-Band Management Support

DNAS provides the ability to access, reboot and configure hosts and devices remotely by dialing-in, even if the network is unreachable.

### Easy Setup

DNAS provides for an easy setup through a command line interface, CLI, and Access Server Manager, ASM, a Windows-based graphic user interface for remote configuration and management of the DECserver.

### New DNAS V3.6 Features

For more than a decade, DNAS, DECserver Network Access Software, has been cost-effectively guiding DECserver users to new levels of productivity. With DNAS V3.6's enhanced features, your flexibility is extended further than ever before!

DNAS V3.6 now allows you to SAVE and RESTORE server characteristics to and from a PCMCIA Flash Card. Enhanced security feature provides you with the ability to assign a unique password to a port to be used during a local or remote access. DNAS is more flexible: the restriction of forcing TCP Port 23 to be assigned to a Listener with a unique, assigned IP Address has been removed.

Every new DECserver comes with the **latest version of DNAS** and an installation kit that includes the CD, license and softcopy documentation.

If you already own a DECserver with an earlier version of DNAS, you may be missing out on some of the latest feature enhancements that could **make all the difference in your serial applications**.

**Security – Triple-A Support!**
Authentication, Authorization, and Accounting
DECserver provides an array of security features that allow you to control who can access the network, what authenticated users can do once connected to the network via RADIUS, and track significant events. Accounting data can be exported to billing applications or audit trail files. Accounting is provided either via SNMP or RADIUS based utilities. RADIUS supports includes both the RADIUS client built into the DECserver software, as well as, a RADIUS server utility, providing a complete and interoperable RADIUS solution.

**Device/Console-to-Host Support**
Deice/console-to-host support connections are supported for TCP/IP and LAT. For TCP/IP, both Telnet Listener and raw TCP Listener options are available. The raw TCP Listener option eliminates the TELNET protocol layer overhead. For environments where the LAT protocol is used, reverse LAT is supported.

DNAS maintains support for all of its legacy terminal-to-host protocol and feature sets:
 ➢ DNAS supports SLIP, CSLIP, and PPP data links as well as terminal emulation connections.
 ➢ Classic "VT" terminal connections; support LAT connections, dedicated service LAT/Telnet, and more
 ➢ Support for TN3270, IBM terminal emulation

**Configuration & Management**
Command Line Interface (CLI)

 ➢ Configuration Wizard
   Enable quick and easy configuration of your DECservers' IP Interface and user-defined features via CLI-based wizard.

 ➢ Delay Acknowledgement
   Disable & drop session-to-host delay from 50ms to 0ms-10ms.

 ➢ TCP Serial Delay
   Reduce your TCP data packets transmission interval from 100ms to 20ms.

 ➢ Command Line Recall & Edit
   Recall multiple CLI commands, scroll through them and modify them.

 ➢ Counters & Displays
   Track traffic information such as frames sent, collisions, failures, duplicates, retransmissions, etc.

 ➢ Inactivity and Keepalive Timers
   Control costs by tracking per-port data traffic activity and tearing down connections that exceed configured thresholds with inactivity timers. A TCP Keepalive Timer saves line costs and improves server availability by continually probing remote host activity and disengaging them if no activity is detected. Intervals can be specified per your needs, ranging from minutes to 30 second and less intervals.

 ➢ SNMP Management
   Allow management from SNMP device management systems or enterprise management systems.

 ➢ Software FTP Client ← **NEW FEATURE**
   Additional method for loading DNAS software and/or device bootrom in DECserver 90M+ and ConX4 models.

Access Server Manager (ASM)

 ➢ Graphical User Interface Running Windows
   Use a familiar interface for easy-to-use local or remote management.

 ➢ How-to Help
   Access step-by-step instructions for performing the most common management tasks.

 ➢ Log Window
   Provides a transcript of all operations performed on the DECserver.

 ➢ Save & Restore Functions
   Allows you to back up configuration data or to copy a DECserver's configuration to another DECserver.

 ➢ Copy Port Configuration
   Configure one port and then copy the configuration to other ports that need the same settings.

 ➢ Password Protection
   Restrict access to ASM, individual DECservers or both.

 ➢ Device Discovery ← **NEW FEATURE**
   Find & identify DECservers deployed throughout your network.

Access Software Loader (ASL)

 ➢ Graphic User Interface
   Easily download software. IP addresses provide network mask and gateway addresses to the DECserver

**Hardware & Software Requirements**
For a complete listing of operating system environments, please reference the DECserver Network Access Software Product Description.

**Order Information**
KT-DNAS3-00              DNAS V3.6 CD-ROM Kit (License and softcopy documentation)

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