Magnum MNS-DX

Managed Networks Software for Magnum DX Routers

Magnum Managed Network Software for Magnum DX family of routers (MNS-DX) provides the functionality needed by industrial routers. A full range of routing software with security and redundancy features enable the Magnum DX routers to perform in harsh industrial environments.

+ **Add extra security with the MNS-DX-SECURE** with features such as IPSec, VPN, firewall, encryption and authentication for industrial cybersecurity

+ **Ethernet ports** can be configured as switched or routed ports and serial ports can be software configured as RS-232 or RS-485 ports for customization

+ **Built-in protocol analyzer** for easy trouble shooting with an event log to provide a log of most recent events

Key Features

- Graphical user interface (GUI) and CLI
- Redundancy features such as routing, STP, VRRP, BGP, OSPF
- Supports all Magnum DX platforms and configurations
- Remote access for secure administration is via SSH and optionally via telnet
- WAN configuration provides the necessary menus to configure a T1/E1 or DDS circuits and Cellular connection using 4G/LTE networks
- SNMP supports v1, v2 and v3 for managing the device using Network Management Systems
- PPP allows for an asynchronous dial-in backup connection over an analog modem or framing for DDS
- MNS-DX-SECURE extra security is unlocked via a licensed software key

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Benefits

MNS-DX includes features needed to connect a variety of different devices and interface types to a routed network. With a focus on ease of use, GUI operations and simple configurations options such as user accounts, export configurations, loading new images and time synchronization allow for a smooth user experience.

Markets

MNS-DX was developed specifically to meet the requirements of industrial networks for applications such as automotive production, transportation, and power transmission and distribution.

Applications

Cybersecurity is essential for today's industrial networks and critical infrastructure. MNS-DX Software, along with the MNS-DX-SECURE License, provides IPSec VPN for secure connection to another remote location over a public network such as the Internet.

Safety of the router itself is of equal importance along with protecting the network. MNS-DX provides secure access, remote authentication and multi-level login and user privileges.

MNS-DX offers management of security certificates, secure connectivity to serial ports and provides secure communications for connected devices.

Connectivity is crucial for industrial applications, especially legacy equipment that lacks direct connectivity to IP networks. MNS-DX support asynchronous Serial Port communication to TCP/IP including Modbus, terminal services and PPP with authentication.

Network troubleshooting helps administrators maintain their network and keep it up and running for critical services. Capabilities such as protocol monitoring, Syslog and Event logs allow system administrators to look for suspicious activity on the network. Switches can also synchronize timing using SNTP.

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