

NetSys-5302 Cisco Router/Ethernet Switch

Dual router ports with 27 switch ports



Description

The generous port count and rugged design of Elma's NetSys-5302 brings Cisco certified mobile and secure IP routing protocols to larger networks where rugged performance in a SWaP optimized chassis are key. Featuring up to 27 external Ethernet ports, the NetSys-5302 delivers critical data, voice and video information to mobile users in defense, mining, industrial and disaster recovery applications with the fast and secure network performance that only Cisco can provide.

Features

- Cisco Advanced Enterprise IOS and Cisco Mobile Ready Net Capabilities
- 29x External Ethernet ports;
 - 2x 10/100 router ports
 - 2x 10/100/100 switched ports
 - 25 x 10/100 switched ports
- Radio Aware Routing, Quality of Service support, Mobile Ad Hoc Net working, Dynamic Layer 3 IPV4 and IPV6 Routing, Dynamic Link Exchange Protocol
- On board hardware encryption engine for secure data video, voice and data handling
- Quick adaptation to rapidly changing network topologies
- Self healing, self forming nodes quickly link to form their own network infrastructure
- Fast and secure connectivity for mobile users outside the reach of fixed networks
- Fast and effective load balancing between IP routing and radio networks in delay sensitive communications
- Suitable for use in harsh environments
- Front LEDs for power, system s/w status and 5 x for link activity

Benefits

- Generous ports count allows connectivity over a large network infrastructure
- Cisco Layer 3 routing protocols allow mobile users to quickly and seamlessly establish ad hoc networks as nodes shift relative positioning, moving in and out of the range of fixed network infrastructure.
- Advanced support for ad hoc networks reduces unacceptable levels of overhead that cause delays in critical data delivery when real time performance is required.
- Routing optimization protocols ensure sufficient bandwidth to critical wireless nodes in the time and sequence necessary to support network communication requirements.
- Extends collaboration and information sharing
- Cisco IOS software familiarity minimizes training expense

Applications and Related Products

The NetSys-5302 brings Cisco Mobile Ready Net capabilities to mobile and fixed IP based network routing capability deployed in harsh environments encountered in drilling and mining operations, commercial air and ground transport infrastructure, energy distribution, mobile ground, ship board and air defense equipment, homeland security and emergency services.



- Complete line of small form factor chassis systems for a wide range of applications and environments
- Standards based I/O cards for connectivity configuration
- Storage solutions to meet most usage requirements across a range of applications.

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Networking

Specifications

Environmental

Temperature:
-40C to +71C operational
-40C to +85C storage
Operating shock: 40g; 11ms
Random vibration: 10Hz to 2000Hz
Humidity: Up to 95% RH Non-condensing
Ingress Protection IP67 rated
Conformal coating: Humiseal 1A33 applied in accordance with MIL-I-46058

Physical

Dimensions: 122.5mm H x 162mm W x 162mm D
excluding connectors (4.83" H x 6.38" W x 6.38" D), VU 8
Wall or table mount options
Estimated weight: 6lbs. (2.7kg)
Cooling: Passive. No fans
Mounting per VITA 75

I/O Connections

Circular MIL-DTL-38999 connectors
2x 10/100Mbps Router ports, IEEE 802.3 compliant
25x 10/100Mbps Switched ports, IEEE 802.3u compliant
2x 10/100/1000Mbps GbE Switched Ports, IEEE 802.3ab compliant
2x Console Ports, RS-232 (1x for router, 1x for switch)
Additional 2x Ethernet Ports Connected Internally between the router and switch card

Ordering Options

Enterprise Base or Advanced Enterprise IOS S/W package

Power

28V input voltage (18-36 VDC continuous)
<15 W max power consumption
MIL-STD-704F & MIL-STD-1275D compliant

Order Information

Example Order Number: NTS-53E-02

Rugged Cisco mobile router with dual routing ports and Ethernet switching ports



Please contact our sales for more details.