NetSys-5302 CISCO ROUTER/ETHERNET SWITCH
DUAL ROUTER PORTS WITH 27 SWITCH PORTS

ELMA
Your Solution Partner

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.

CISCO Technology

Functional Features

- Cisco Advanced Enterprise IOS and Cisco Mobile Ready Net Capabilities
- 27x External Ethernet ports;
  - 2x 10/100 router ports
  - 2x 10/100/1000 switched ports
  - 23x 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 port 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

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.

RELATED PRODUCTS

- › 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.

NetSys-5302 CISCO ROUTER/ETHERNET SWITCH
DUAL ROUTER PORTS WITH 27 SWITCH PORTS

ELMA
Your Solution Partner

SPECIFICATIONS

Environmental Termperature

	Operating temperature: -40°C to +71°C
	Storage temperature: -40°C to +85°C
	Operating shock: 40g, 11ms, 3 pos/neg per axis, 18 terminal peak shock pulses per MIL-STD-810H, Method 516.8, Procedure I
	Crash hazard shock: 75g, 11ms, 2 pos/neg per axis, 12 terminal peak shock pulses per MIL-STD-810H, Method 516.8, Procedure V
	Random vibration: 10Hz to 2000Hz, 3 axis, 1 hour/axis per MIL-STD-810H, Method 514.8, Procedure I
	Humidity: Up to 95% RH @ 40°C, non-condensing per MIL-STD-810H, Method 507.6, Procedure II
	Ingress, sand, and dust: No ingress (IP67), MIL-STD-810H, Method 510.7, Procedure I and II
	Water immersion: No leakage (IP67), MIL-STD-810H, Method 512.6, Procedure I

Physical

	Dimensions: 120.6mm H x 162mm W x 162mm D
	excluding connectors (2.58" H x 6.38" W x 6.38" D)
	Estimated weight: 6lbs. (2.72kg)
	Cooling: Passive. No fans

I/O Connections

	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

Power

	28V input voltage (14-36 VDC continuous)
	<30 W max power consumption
	MIL-STD-704F & MIL-STD-1275D compliant

ORDER INFORMATION

Description	Model Number
NetSys 5302 including: 2 x 10/100 routing ports 2 x 10/100/1000 switching ports 25 x 10/100 switching ports Cisco 5915 IOS Advanced Enterprise Services package Lynx OS One year SMARTnet contract providing 24 x 7 access to the Cisco TAC (Technical Assistance Center) as well as major and maintenance level releases of Cisco IOS software	DVS53XCOXX111X39IX
Board Conformal Coating option is available using HumiSeal 1A33 in accordance with MIL-I-46058. Contact factory.	
I/O Cable Kit	NetSys-5302-CBL

© Copyright 2021 by Elma Electronic Inc. Subject to technical modifications, all data supplied without liability.

Please contact our sales team for more details.

China: +86 21 5866 5908
France: +33 388 56 72 50

Germany: +49 7231 97 34 0
Israel: +972 3 930 50 25

Singapore: +65 6479 8552
Switzerland: +41 44 933 41 11

United Kingdom: +44 1234 838 822
United States: +1 510 656 3400