

NetSys-5301 RUGGED CISCO 5915 ROUTER

COMPACT MOBILE, IP ROUTER

DESCRIPTION

The rugged design of the NetSys-5301 brings Cisco's 5915 Embedded Services Router and its Cisco certified mobile IP routing protocols to the network edge or wherever you need it, in a SWaP optimized chassis. The NetSys-5301 delivers IP based data, voice and video to mobile users in defense, mining, industrial and disaster recovery applications with the fast and secure network performance that only Cisco can provide.



Functional Features

- Cisco Advanced Enterprise IOS and Cisco Mobile Ready Net Capabilities
- 5x 10/100 Ports (2x Routed, 3x Switched)
- Radio Aware Routing, Quality of Service support, Mobile Ad Hoc Networking, 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

- 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-5301 brings Cisco Mobile Ready Net capabilities to mobile and fixe 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.

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SPECIFICATIONS

Environmental

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: 65.6mm H x 162mm W x 162mm D excluding connectors (2.58" H x 6.38" W x 6.38" D)
Estimated weight: 4lbs. (1.8kg)
Cooling: Passive. No fans
Circular MIL-DTL-38999 connectors

I/O Connections

2x Routed 10/100 copper Fast Ethernet ports
3x Switched 10/100 copper Fast Ethernet ports
1x RS-232 Console Port
1x Zeroize Input

Power

28V Input Voltage, 14V-36V VDC Continuous
MIL-STD-704F & MIL-STD-1275D compliant

ORDER INFORMATION

Description	Model Number
NetSys 5301 including: 2 x 10/100 routing ports 3 x 10/100 switching ports Cisco 5915 IOS Advanced Enterprise Services Center) as well as major and maintenance level releases of Cisco IOS software Board Conformal Coating option is available using HumiSeal 1A33 in accordance with MIL-46058. Contact factory.	DVS53XRTXX101X271X
I/O Cable Kit	NetSys-5301-CBL

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