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DuraNET 3825

Ruggedized Cisco 3825 Integrated Services Router

PRODUCT FEATURES	
Cisco Inside:	Based on Cisco 3825 Integrated Services Router with NM-16ESW 10/100 Ethernet and NM-8A/S Asynchronous Synchronous Serial Network Modules
Ethernet Ports:	• 16x 10/100 Ethernet Switched Ports • 2x Gigabit Ethernet Routed Ports
Serial Ports:	• 8x RS232 Asynch / Synch Serial Ports • Console Port
Connectors:	Rear: MIL-C-38999 for Ethernet, RS232 Serial, Console, Power; Front: Standard USB
USB:	2x USB 1.1 ports - for use with security tokens and other applications
LEDs:	LED Indicators for System Power, System Status, Packet Activity, and Flash Access
Management:	SSH, HTTPS, SNMPv3
Security:	Onboard encryption; Stateful Cisco IOS Firewall Support
Applications:	• Civil and Military Computer Networking • Situational Awareness / Net-Centric Operations • Layer 3 Switching to Wide Area Network (WAN)

PRODUCT INFORMATION

SPECIAL ORDER PRODUCT

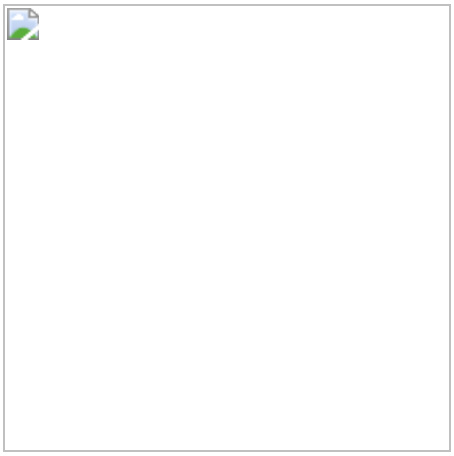
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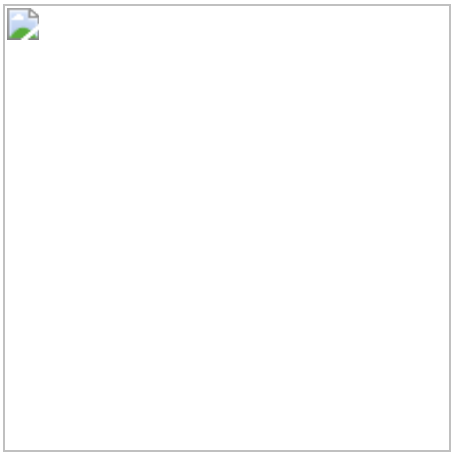
The DuraNET® 3825 is a ruggedized version of the Cisco 3825 Integrated Services Router, combining the powerful features available in Cisco IOS® software, Catalyst® Layer 2 LAN switching and flexible Layer 3 WAN routing into a single platform. An ideal Commercial Off the Shelf (COTS) solution for Internet Protocol (IP)-based networking applications, the unit integrates embedded security processing, generous performance, high memory capacity, and high-density interfaces to deliver the performance, availability, and reliability required for scaling mission-critical applications.

Designed to meet MIL-STD-901D Grade B shock levels and MIL-STD-461 EMC requirements, the DuraNET 3825 incorporates mechanical packaging enhancements to suite naval ship installations. It features two (2) copper Gigabit Ethernet uplinks, sixteen (16) 10/100 Ethernet ports, and eight (8) Asynchronous / Synchronous RS-232 serial ports in a 19” rack-mount sliding chassis with circular MIL-C-38999 connectors. Network features include port autosensing, QoS and VLAN capabilities complaint with 802.1p and 802.1Q standards, and 802.1D Spanning Tree protocols. For ease of management and configuration, the router features the intuitive, Web-based Cisco Router and Security Device Manager (SDM) with support for Secure Shell Protocol Version 2 (SSHv2) and Simple Network Management Protocol Version 3 (SNMPv3) protocols to encrypt the management session.

PRODUCT SPECIFICATIONS	
Physical:	• Weight: <40lbs estimated • Dimensions: 3.50" x 18.89" x 19.10"; Overall depth with connectors: <20.3"
Cooling:	• Forced Convection Cooling; Top/Side Inlet – Side/Rear Exhaust • 50 dBa typical noise level
Power:	• Power Dissipation: <300 Watts • AC Input: 100 – 240 VAC • In-rush current: <10A typical
Environmental:	• Relative Humidity (Non-Condensing): 5 to 95% • Shock: Designed to meet MIL-S-901D, Grade B (Surface Ship Interior Spaces) • EMC: Designed to meet MIL-STD-461 • Operating Temperature: 0°C to +40°C (+32°F to +104°F) • Non-Operating Temperature: -40°C to +85°C (-40°F to 185°F) • Relative Humidity (Non-Condensing): 5 to 95% • Altitude: Sea Level to 6000 Ft (oper temp derates @ higher altitudes)
Installation:	Designed for 19” RS-310 rackmount configuration with chassis mounting slides

Standards Compliance:	• IEEE 802.1d Spanning Tree Bridge • IEEE 802.3 10 Mbps 10BASE-T (Ethernet) • IEEE 802.3ab 1000BASE-T 1000 Mbps (Gigabit Ethernet) • IEEE 802.3u 100BASE-TX 100 Mbps (Fast Ethernet) • IEEE 802.1D Spanning-Tree Protocol • IEEE 802.1P LAN Layer 2 QoS/CoS Protocol for Traffic Prioritization • IEEE 802.1Q Virtual LAN (VLAN); Trunking
Memory:	Flash Memory (Compact Flash): 64 MB System Memory (DDR-SDRAM with ECC): 256 MB
Performance:	Designed to deliver multiple concurrent services at wire-speed performance of up to T3/E3 rates. The T3/E3 value represents IMIX packet sizes in higher than typical 3825 services configurations. In less service-intense environments, actual WAN throughput will be higher. In light service environments with 64 byte packets, the 3825 series can achieve between 350-500 Kpps.
MTBF:	Estimated Mean Time Before Failure: 124,751 hours (Ground Benign) 37,425 hours (Naval Sheltered)
Warranty:	90-Day Warranty (Extended Service Contracts Available)
Optional Version:	Optional Special Order Version (PRV-1313-02): • Integrates Cisco NM-8A/S and NME-16ES-1G Modules (Adds 1 Addt'l Gig Ethernet Port Compared to PRV-1313-01) • Different MIL-C-38999 Connector Configuration than PRV-1313-01: - Eight Serial Ports on Single Connector - Eight 10/100 Ethernet Ports on Individual Connectors - Eight 10/100 Ethernet Ports on Single Connector - Three Gigabit Ethernet Ports on Individual Connectors - Power, Console, and AUX Ports on Individual Connectors





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