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EtherReach™ 903

Hardware Features

- One 10/100/1000BaseTX or 1000SX/LX/ZX/BX or 100BaseFX Subscriber Interface
- Two 10/100/1000BaseTX or 1000SX/LX/ZX/BX or 100BaseFX Network Interfaces
- Auto-Negotiation and Auto-MDI/MDIX on LAN and Network UTP Ports
- RJ45 Connectors on UTP Ports
- Craft Access via 10/100BaseTX or DB9 RS232 Serial Interface
- LC Connectors for SFP Optics

System Features

Policing and Shaping

- **EtherFlow™** Dynamic Flow Control for Ingress Policing with 64kb/s granularity for FE and 1Mb/s for GE
- Up to 8 policers per port
- Low Latency Handling Capability for VoIP and Video Service Support

VLAN Support

- Traffic Classification and Priority via ToS/IP precedence/DSCP/802.1q&p
- IEEE 802.1ad (Q-in-Q) Provider Bridges
- Transparent VLAN Forwarding, tag swapping and stacking
- IEEE 802.3x Flow Control with PAUSE frames
- IEEE 802.1ah (MAC-in-MAC)
- Aligned with the Emerging PBB-TE (IEEE 802.1ay)
- Jumbo Frame Support; up to 9200 MTU size
- 1:1 Network Port Protection

Class of Service

- Four Link Layer Traffic Priority Levels
- WRR priority queue processing
- Traffic Classification and Priority via ToS/IP precedence/DSCP/802.1q&p

OAM&P

- Aligned with EFM IEEE 802.3ah, CFM IEEE 802.1ag and ITU Y.1731; CCM (Connectivity Check Message) and LBM (Loopback Message) Support
- Dying Gasp Message Generation and Processing
- Terminal and Facility Port and VLAN Loopbacks
- CLI and WebView (GUI) support
- Performance Monitoring: RFC 2819 RMON, ANSI T1.231, T1.403 and GR-820
- **EtherMeter™** technology for
 - Y.1731 Performance Monitoring
 - Level 1 cNode™ agent for real-time PM
 - Test Suite Generation (RFC-2544)
 - TDR Cable Diagnostics on LAN UTP ports
- RMON Queue Statistics for Layer-2 SLA Monitoring
- Inband Management: Remote Telnet, SSH or HTTPS
- Secure Terminal Access with CLI Support
- TFTP and Secure FTP support
- Remote Software Update via TFTP, HTTPS
- 24-hour PM Collection
- SNMP v1, v2 and v3 Support
- Fault Propagation for Remote Failure Visibility
- Management Port Authentication Utilizing RADIUS

Mechanicals

- Width: 17 inches
- Height: 1.75 inches (1RU)
- Depth: 11 inches

Safety and Regulatory

- MEF 9/14
- UL/EN 60950^[1]
- FCC Part 15 Class A^[1]
- NEBS Level 3 Certification^[1]
- RoHS 5/6
- CE Mark^[1]

Environmental

- Operating Temp: 0 to 45 degrees C
- Storage Temp: -40 to 85 degrees C
- Operating Humidity: 10% to 85% non-condensing

Power

- 110VAC or 240VAC, 50/60Hz (dual hot swappable)
- -48VDC (Optional-dual hot swappable)
- 19" or 23" rack mounting options

[1] Pending certification

Please contact your ANDA sales representative for more information.

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