

AvediaStream c1210 Monitor Card

Create



The AvediaStream Chassis Monitor (c1210-mon) adds hardware monitoring to the Exterity 10 blade chassis (c1110 or c1210). Overall system reliability is improved with the addition of power supply, fan and blade monitoring. Monitor information and data can be seen on a bank of LEDs and the Chassis Monitor web interface. System events are announced using SNMP traps.

- Monitoring of chassis power supplies, fans and installed blades
- Visual indication of chassis and blade status
- Early warning of issues and changes via SNMP traps
- Integration into IPTV control systems
- Hot swap blade allows quick and non-intrusive upgrade to existing installations using c1210 Exterity chassis
- Embedded system for high reliability and low power consumption

Technical Specification

Monitoring

- Fan monitoring: chassis fan presence, speed monitor
- Power supply monitoring: power supply presence, fan and power failure
- Blade monitoring: blade presence
- Troubleshooting: Front panel LEDs, Web interface & SNMP traps

Interfaces

- 802.3 10/100BaseT Ethernet (RJ45 chassis socket)
- Serial RS232 Port for local administration (RJ45 chassis socket)

Management

- Network administration via SSH, Telnet and SNMP
- HTTP web interface (supported browsers: Firefox, Internet Explorer and Chrome, check with support@exterity.com)
- Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Firmware upgrade via TFTP
- Configuration backup/restore via TFTP

System

- CPU: MIPS 4Kc 492MHz; RAM: 64MB
- Flash: 32MB (for firmware and configuration)
- OS: Linux 2.6

Power

DC 24V: 6W Typical, 8.5W Maximum

Physical Format

- Hot swap blade for Exterity c1210 chassis monitoring slot
- Dimensions: L: 275mm x W: 130mm x H: 20mm
- Weight: 0.35kg

Protocols

IP (RFC 791), UDP (RFC 768), TCP (RFC 793), ARP (RFC 826), DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 792), TFTP (RFC 1350), HTTP (RFC 2616), Telnet (RFC 318) Syslog (RFC 3164), NTP (RFC 1305), SNMP (v1, v2c -RFC 1901), SSH (RFC 4254)

Environment

- Operating: 0 ... +40°C / +32 ... +122°F
- Storage: -20 ... +70°C / -4 ... +158°F
- Operating Relative Humidity: 5 - 95% (non-condensing)

Regulatory

CE:

- EN55022: 2010, EN61000-4-2: 1995 + A1 + A2,
- EN61000-4-3: 1996, EN61000-4-4: 1995,
- EN61000-4-6: 1996, EN55024:2003

UL/CSA:

- 47CFR: 2008 Part 15, Sub Part B, ANSI C63-4: 2003

Network

- Linux IPv4 stack
- DHCP or Static IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet

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Enterprise Video over IP

