

EtherReach™ 2118

Hardware Features

- 2x10/100BaseTX subscriber interfaces per IEEE 802.3u
- 8xT1 (ANSI T1.403) long haul network interfaces.
- DS1 Line coding options: AMI & B8ZS
- ESF framing operation
- Support for 128 ms differential delay on DS1 interfaces
- Local craft access via: 10/100BaseTX or DB9 RS-232 serial interface

System Features

Traffic Forwarding Modes

- Logical circuit bonding; X.86 per G.707 and ANSI T1.105 or GFP/VCAT/LCAS per ITU-T G.8040, G.7042, G.7043
- Configurable automatic removal / restoration of DS1's from link group
- MAC Bridging with priority queuing: IEEE 802.1d
- VLAN Bridging with priority queuing per IEEE 802.1p&q
- IEEE 802.1ad (Q-in-Q) Provider Bridges
- Transparent VLAN Forwarding, tag swapping and stacking
- Flow Control with PAUSE frames per IEEE 802.3x
- Programmable burst tolerance from 1ms to 20ms
- Flow Control with PAUSE frames
- 128 Policers supported per 10/100M port
- 4094 customer VLAN, 128 Service VLAN supported per 10/100M port

Traffic Classification and Flow Control

- **EtherFlow™** Dynamic Flow Control for Ingress Policing with 64kb/s granularity
- 4 link layer traffic priority levels
- WRR and strict priority queue processing
- Traffic Classification and Priority via ToS/IP precedence/DSCP/802.1q&p



OAM and Management

- EdgeGenie (TBD - future release) EMS/NMS
- Aligned with Carrier Ethernet OAM standards; EFM IEEE 802.3-2005 Clause 57*, IEEE 802.1ag and ITU-T Y.1731*
- TDR capability for LAN side cable detection
- Local and remote loop back support
- Ethernet LOS translation to DS1 AIS
- Performance Monitoring: RFC 2819 RMON, ANSI T1.231, T1.403, and GR-820
- VLAN, Port and Queue statistics for SLAs
- Inband management; remote telnet or HTTPS login
- Secure Shell Support
- SNMP v1/v2c/v3 support

Mechanicals

- Width: 8 inches / 20.3 cm
- Height: 1.75 inches / 4.4cm
- Depth: 10 inches / 25.4 cm
- Optional 19" or 23" rack and tray mounts

Safety and Regulatory Approvals

- MEF 9 & 14 certified
- NEBS Level 3 and Verizon Certification
- FCC Part 15, subpart B Class A
- ICES 003, Issue 2
- UL 60950 / EN 60950
- RoHS 5/6
- Call for country specific type approvals

Environmental

- Operating temp: 0 to 45 degrees C
- Storage temp: -10 to 85 degrees C
- Operating humidity: 10% to 85% non-condensing

Power & Heat Dissipation

- 12 VDC via 220 VAC (90-240V) Power Adapter
- Optional -48VDC Power Adapter

* Future release

Contacting Technical Support

Users can obtain technical assistance by any of the following mail, phone, fax, and e-mail options:

Web Access: <http://www.telco.com>

BATM Advanced Communications— Main Support Center in Israel

Tel: +972-4-993-5630

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Telco Systems, A BATM Company— for the Americas

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