DATA SHEET
MXK-LC-AETG16
(Prelim V1.0)

Features

- 16-port, high port density AE line card
- 100M/1G/10G bps fiber services on port basis
- Industrial temperature hardened
- 802.3 ad Link Aggregation protocol
- Industry-leading SLMS traffic management provides QoS, traffic shaping, and security for triple-play services
- Full range of management options including SNMP, CLI, WebUI, ZMS and OSS Gateway

Overview

Bandwidth Demands on access networks continue to accelerate, and technology advances change and evolve at light speed to cope with this growth. To build a platform with more than 10-years reach requires a networking innovator with extraordinary vision, proven bench strength and experience, and of course, exceptional technology to keep pace.

With over 1,000 global customers deploying DZS's world-class solutions for their service provider and enterprise networks, in some of the harshest and most demanding environments in the industry in its pedigree, DZS's MXK-F™ ultra high-capacity fiber-optimized aggregation platform is the latest cost-effective addition to its world renowned MXK™ portfolio.

Introducing a new 10G Active Ethernet line card support point-to-point fiber-based Ethernet services at symmetric 10 Gbps data rate. It can be used to aggregate (or subtend) other Ethernet based devices or to provide high-bandwidth services to individual customer premises. Selection of an Active Ethernet point-to-point architecture equips services providers with a comfortably future-proof infrastructure as demand for individual subscriber data rates continue to rise.

The MXK-LC-ATG16 Active Ethernet single-slot card can connect up to 16 per card and 256 10G subscribers on a fully-equipped MXK-F1421.

Specifications

DIMENSIONS

- 14.90" x 0.87" x 8.33"
- 378mm x 22mm x 212mm

POWER

- Shelf powered; 124W (423 BTU) max equipped with 16 SFP+ transceivers at 2W each

INTERFACES

- Subscriber Line Interfaces: (16) GbE

PROTOCOL SUPPORT

- Port VLAN (802.1D)
- Tagged VLAN (802.1q)
- RSTP/MSTP
- LACP (802.3ad)
- IGMP v2/v3
- IGMP Snooping with Proxy reporting
- Broadcast Storm Protection
- Bridge Loop Protection
- Transparent L2/L3 VPN for business services
- L2 ACL (Allow/Deny)

PROTOCOL SUPPORT (Cont.)

- Radius
- RFC 3619 (EAPS)
- Traffic Rate Limiting
- Traffic Queueing (8 Priority levels)
- DSCP to COS Mapping
- Traffic Policing
- Traffic Class Mapping (802.1p)

REGULATORY COMPLIANCE

- Safety
  o CSA 22.2 No. 60950-1
  o EN 60950-1
  o UL 60950-1
- EMC Emissions/Immunity
  o FCC Part 15 Class A
  o EN 55022 Class A
  o ICES-003 Class A
  o EN 300 386

ENVIRONMENTAL

- Ambient Operating Temperature: -40°C to 65°C
- Relative Humidity: Up to 85%, non-condensing

Ordering Information

MODEL	DESCRIPTION
MXK-LC-AETG16	ROHS, REQ.MIN 3.2.0.0, MXK 14U ACTIVE ETHERNET W/16X10G ETHERNET, ANGLED SFP+ BASED