

DATA SHEET

MXK Fabric Cards: MXK-FC-AETG8, MXK-FC-AEFG2-AETG8



Features

- Aggregation switch delivers 40 Gbps to each access card slot
- Supports cross-card link aggregation
- Support for carrier-class active/standby redundancy, link aggregation, point-to-point, and ring configuration on all ports
- Supports fiber based SFP/SFP+
- Industrial temperature hardened

Overview

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' 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' MXK-F™ ultra-high-capacity fiber-optimized aggregation platform is the latest cost-effective addition to its world renowned MXK™ portfolio.

Exceptional capability on the access service side of the MXK-F™ architecture requires matching capability on the

network-facing uplinks. MXK-F™ Fabric Cards provide efficient, reliable, and highly-available data path aggregation solution for flows destined for the Cloud. The MXK-FC-AETG8 Fabric Card provides eight multi-purpose active Ethernet uplink ports that can support either 1G SFP or 10G SFP+ fiber transceivers, and can be operated in either uplink or intra-link modes. Similarly, in addition to eight active Ethernet 10G SFP+ ports, the MXK-FC-AEFG2-AETG8 Fabric Card also provides two 40G QSFP+ active Ethernet uplink ports.

Additionally, MXK-F™ Fabric Cards provide full card and network redundancy by supporting an active card and backup standby in the same chassis. If a card or network failover occurs, the standby card will take over instantly. And for additional network resiliency, these cards support both cross-card and intra-link aggregation, as well as the EAPS ring protocol.



Specifications

WEIGHT & DIMENSIONS

- 90" x 1.43" x 8.33" (378mm x 36mm x 212mm)

POWER**MXK-FC-AETG8**

- Shelf powered; 73W nominal, 97W maximum when equipped with 8 SFP+ transceivers at 3.0W each

MXK-FC-AEFG2-AETG8

- Shelf powered; 73W nominal, 105W maximum when equipped with 8 SFP+ and 2 QSFP+ transceivers at 3.0W and 4.0W each, respectively
- Auto-MDI/MDIX and auto speed supported

OPERATING REQUIREMENTS

- Ambient operating temperature: -40° C to +65° C
- Relative operating humidity: up to 85% (non-condensing)
- Designed for outside plant deployment
- Altitude: -200ft to 16,500ft (-60m to 5,000m)

REGULATORY COMPLIANCE**Safety**

- UL 60950-1/R:2011-12
- CAN/CSA C22.2 No. 60950-1/A1:2011
- EN 60950-1/A2:2013

EMC Emissions

- FCC Part 15 Class A
- EN 55022:2010 Class A
- ICES-003 Class A
- ETSI EN 300 386 V1.6.1

PROTOCOL SUPPORT

- Port VLAN (802.1D)
- Tagged VLAN (802.1q)
- Spanning Tree (802.1D)
- Rapid Spanning Tree (802.1w)
- MSTP (802.1s)
- 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)
- Radius
- RFC 3619 (EAPS)
- 2 Rate 3 Color Policing; both Color Blind and Color Aware
- Traffic Rate Limiting
- Traffic Queuing (8 Priority levels)
- COS to DSCP Marking
- Strict Priority/WFQ (Scheduling)
- Traffic Policing
- Traffic Class Mapping (802.1p)

For more information, connect with us at dasanzhone.com/contact

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