DZS

MXK-FC-AEFG2-AETG8

Reimagine Your Edge

MXK-FC-AEFG2-AETG8 Fabric Line Cards

Aggregation switch with 720Gbps capacity and
2x40Gbps and 8x10Gbps Uplinks

Features & Benefits

+ 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+/
  QSFP+ Uplinks

+ Industrial temperature

The MXK-FC-AEFG2-AETG8 is a core switching module for the high-capacity, highly capable MXK-F platforms. The Fabric Line Card provides 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. The MXK-FC-AEFG2-AETG8 Fabric Card also provides two 40G QSFP+ active Ethernet uplink ports.

The MXK-FC-AEFG2-AETG8 provides 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. For additional network resiliency, these cards support both cross-card and intra-link aggregation, as well as the EAPS ring protocol.

MXK-FC-AEFG2-AETG8

MXK-F Fabric Line Card

Carrier Grade Switch Capacity

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.

The MXK-FC-AEFG2-AETG8 aggregation switch delivers 40 Gbps to each access card slot for the chassis. The fabric card can support network redundancy by provisioning an active card and backup standby in the same chassis.

Key Service Attributes

+ Fabric cards support of redundant pair; Active and Standby

+ Eight 10GigE/1GigE ports with SFP/SFP+

+ Two 40G QSFP+ active Ethernet uplink ports.

+ Cross-card and intra-link aggregation

+ Support of EAPS ring protocol
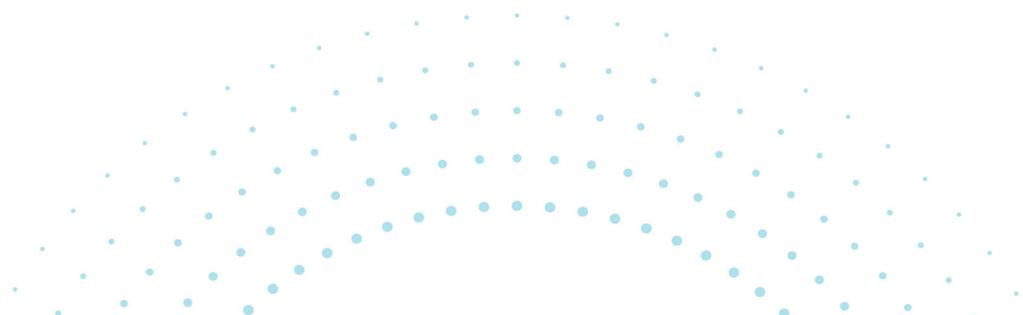
MXK-FC-AEFG2-AETG8

MXK-F Fabric Line Card

Product Specifications

Interfaces

+ Eight 10GigE ports with SFP/SFP+

+ Two 40G QSFP+ active Ethernet uplink ports

+ Cross card 160Gbps

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)
+ 802.1 ag

Regulatory Compliance

+ Safety
  + EN 62368-1
  + UL 62368-1

+ EMC Emissions / Immunity
  + FCC Part 15 Class A
  + EN 55022 Class A
  + CES-003 Class A
  + EN 300 386

Physical & Environmental Specifications

Dimensions (H x W x D)	378mm x 36mm x 212mm
Operating temperature	-40~149°F (-40~65°C)
Storage temperature	-40~158°F (-40~70°C)
Operating humidity	5 to 85 % (non-condensing)

Altitude:	-200ft to 16,500ft (-60m to 5,000m)
Power Requirements	73W nominal
Maximum Power	105W maximum (8 SFP+ and 2 QSFP+ transceivers at 3.0W and 4.0W each)

Ordering Information

Model	Description
MXK-FC-AEFG2-AETG8	MXK-F, 14U FABRIC CARD W/2X40G AND 8X10G ETHERNET, QSFP+/SFP+ BASED