

ZHONE MXK-AEX20-FE/GE (2S)

ACTIVE ETHERNET LINE CARDS

Zhone's MXK intelligent Terabit Access Concentrator reflects a clean Sheet approach to truly scalable multi Service Architecture, designed to meet the rapidly evolving Demands on Access Networks.

MXK Platforms offer unmatched Bandwidth — with an initial 400 Gbps pure Packet switching Capacity and 20 Gbps to every Slot — while leveraging Zhone's well proven SLMS Access operating System for sophisticated Service Intelligence and Ease of Management.



- Unrivaled Active Ethernet Port Density, with up to 360 Ports per 8U Chassis, or 1,800 Subscribers per Rack
- 100Mbps/1Gbps Fiber Services selectable Port by Port
- 100/1000BT Copper Services selectable Port by Port (on dual Slot Card)
- Industry leading SLMS Traffic Management provides QoS, Traffic Shaping and Security to support Video, VoIP, and other Applications
- Full Range of Management Options including SNMP CLI, WebUI and Integration into Zhone's ZMS Element Management System and OSS Gateway

POWER	BANDWIDTH/DISTANCE
Provided by MXK Chassis	100/1000Mbps
INTERFACES	Supports Distances up to 80km using either single or dual Fiber SFPs
Single-Slot Card: 10 Ports (20 Subscribers) - 100/1000 Ethernet Interfaces - SFP Based (100Mbps/1000Mbps Fiber)	REGULATORY COMPLIANCE
	NEBS Level 3 compliant
	RUS listed
Dual-Slot Card: 20 Ports - 100/1000 Ethernet Interfaces - SFP Based (100Mbps/1000Mbps Fiber and 10/100/1000BT Copper)	Safety: UL 60950 3rd edition, CSA 950 3rd Edition, EN 60950, AS / NZS 3260, TS 001
	Emissions: EN 55022A, CFR47 PART 15A (FCC)
STANDARDS SUPPORT	Immunity: NEBS GR-1089-Core Level 3, EN 55024, EN 55082-1, T1.601-1992
IEEE 802.3 Ethernet	Environmental: NEBS GR-63-Core Level 3, GR-487 compliant, ETS 300 019-2-x compliant,
IEEE 802.3ah Ethernet in the First Mile	ISTA Transportation and Handling
IEEE 802.1Q/p	Network Certification: FCC Part 68, CTR-12, CTR-13, DOC CS-03, TSO 16, GR-57
PROTOCOL SUPPORT	Link Aggregation and LACP 802.3ad Support
Bridging 802.1D	In process
VLAN 802.1Q with 802.1p	OPERATING REQUIREMENTS
Multicast IGMP v2 and v3 (Snooping, proxy)	Temperature: -40°C-65°C
IEEE 802.3ah	Non operating Temperature: -40°F-158°F (-40°C-70°C)
IEEE 802.3ad LACP	Humidity: Up to 85%, non condensing
DHCP Relay	Altitude: -200-16,500ft (-60m-5,000m)
RSTP	
EAPS	
MANAGEMENT	
ZMS (Zhone Management System) and OSS Gateway	
Terminal for Command Line Interface (CLI)	
Built in Web UI	

SINGLE-SLOT CARD	DESCRIPTION
MXK-AEX20-FE/GE	20-Port Active Ethernet Line Card (requires SFP)
DUAL-SLOT CARD	DESCRIPTION
MXK-AEX20-FE/GE-2S	20-Port Active Ethernet Line Card (requires SFP)