



DATA SHEET

Mobile Backhaul: EXK-M2400



Overview

With three option slots, DZS's EXK-M2400 Mobile Backhaul access/aggregation CSR (Cell Site Router) 1U height chassis provides a variety of solutions to configure the unit according to the network environment. The EXK-M2400 provides four 10-gigabit ethernet ports (SFP+, fixed) and 3 option slots; the option slots support 2x10GBase-R(SFP+), 8x100/1000Base-T (RJ45), 8x100/1000Base-X(SFP) or CWDM Filter(LC) modules, which can be used for uplinks or downlinks.

Features

- Small footprint as Cell Site Router product
- IP/MPLS based network topology supplied
- Network management via OAM (802.1ag/Y.1731)
- Ethernet Ring Protection(G.8032)
- SNMPv1/v2/v3 with RMON, Alarms
- Improved QoS and differentiated traffic service
- RADIUS, TACACS+ Authentication
- Realtime network traffic monitoring and analyzing
- Modules: 10GE2/GE8/GT8/CWDMFilter
- IEEE1588v2 TC support
- Graphic User Interface support
- Zero Touch Provisioning
- Power: 2 PSU (-48/24VDC or 110V~220VAC) as redundancy
- Mac Table 64K, VLAN 4K
- 200Gbps (Full Duplex) Switching Capacity
- Flash Memory: 8MB(B/L)+128MB(NOS)
- SD RAM: 2GB DDR3

The option boards are compatible with the EXK-M1200 (except for the CWDM Filter).

The EXK-M2400 service interface connection points are located on the front, while the power connection points are located on the back to ensure equipment-level reliability with a redundant power source, the EXK-M2400 provides two PSU (Power Supply Units) in the back for DC or AC power modules.



Specifications

WEIGHT & DIMENSIONS

- 440 x 44 x 350mm

POWER

- AC : 100-240VAC, 50/60Hz
- DC : -48/24VDC
- Consumption: 60[W]

INTERFACESMain Chassis

- 4 port 10GE(SFP+)

Option Board (3 Option Slot for Interface Unit)

- IU_10GE2 : 2 port 10GBase-R (SFP+)
- IU_GE8: 8 port 100/1000Base-X (SFP)
- IU_GT8: 8 port 100/1000Base-T (RJ45)
- IU_CWDM: 2 x 8 channel CWDM Filter

Power and Fan

- PSU : 2 Power module(AC or DC)
- FAN : 2 Slot FAN

Management (Total 3 Ports)

- 1 port RS232 for console (RJ45)
- 1 port GTX for MGMT (RJ45)
- 1 port Alarm in/out (RJ45)

Clock Function

- Total 5 Ports (2 SMA, 3 RJ45)

OPERATING REQUIREMENTS

- Temperature: -40~65°C
- Humidity: 5 to 90% (non-condensing)

STANDARDS SUPPORTLayer 2

- Standard Ethernet Bridging
- Port/Subnet/Protocol-based VLAN
- 64K MAC Address Entries
- Spanning Tree: STP, RSTP, MSTP
- 3ad Link Aggregation

Layer 3

- IPv4 Routing
- IPv6 Routing
- RIPv1/v2, OSPFv2, BGPv4
- VRRP Support

MULTICAST

- IGMP v1/v2/v3
- L2(4K)/L3(4K) multicast Entries
- IGMP Snooping
- PIM-SM/SSM

PROTOCOL SUPPORTQOS

- 8 Queue Management
- Ethernet type / L4-based ACL
- QoS and Marking : SP, WRR, DWRR
- Port rate limit with the ingress/egress shaping

MPLS

- Fully compliant IP/MPLS Function
- Fully compliant with MPLS OAM (BHH, BFD)
- RSVP-TE, BFD Support

OAM

- Fully compliant with IEEE 802.1ag(CFM)
- Fully compliant with ITU-T Y.1731
- Ethernet Ring Protection(G.8032)

MANAGEMENT

- Serial / Telnet (CLI)
- RMON
- SNMPv1/v2/v3
- Zero Touch Provisioning
- RMON



Ordering Information

EXK-M2400 PACKAGES	
MODEL	DESCRIPTION
EXK-M2400-DC	MPLS L2/L3 SWITCH, 4X10GE (SFP+), 3-IUMOD 1-PSUMOD BLNKS, FANS, -45-65C, 1-24V/48V DC PSU(REQ XCVRS)
EXK-M2400-AC-NA	MPLS L2/L3 SWITCH, 4X10GE (SFP+), 3-IUMOD 1-PSUMOD BLNKS, FANS, -45-65C, 1-PSU NA PLG (REQ XCVRS)
EXK-M2400-AC-EU	MPLS L2/L3 SWITCH, 4X10GE (SFP+), 3-IUMOD 1-PSUMOD BLNKS, FANS, -45-65C, 1-PSU EU PLG (REQ XCVRS)
EXK-M2400-AC-UK	MPLS L2/L3 SWITCH, 4X10GE (SFP+), 3-IUMOD 1-PSUMOD BLNKS, FANS, -45-65C, 1-PSU UK PLG (REQ XCVRS)
REDUNDANT PSU OPTIONS/SPARES	
MODEL	DESCRIPTION
EXK-M2400-PSUMOD-DC	M2400 PSU MODULE, 48VDC
EXK-M2400-PSUMOD-AC-EU	M2400 PSU MODULE, 100-240VAC W/EU PLUG
EXK-M2400-PSUMOD-AC-NA	M2400 PSU MODULE, 100-240VAC W/NA PLUG
EXK-M2400-PSUMOD-AC-UK	M2400 PSU MODULE, 100-240VAC W/UK PLUG
IUMOD OPTIONS/SPARES	
MODEL	DESCRIPTION
EXK-M2400-IUMOD-2X10G	M2400 2X10G (SFP+) IU MODULE (REQ XCVRS)
EXK-M2400-IUMOD-8XFEGE	M2400 8X FE/GE (SFP) IU MODULE (REQ XCVRS)
EXK-M2400-IUMOD-8XFEGE-CU	M2400 8X FE/GE (RJ45) IU MODULE
MISCELLANEOUS/ SPARES	
MODEL	DESCRIPTION
EXK-M2400	MPLS L2/L3 SWITCH, 4X10GE (SFP+), NO PSUS, NO FANS, -45 TO 65C (REQ XCVRS)
EXK-M2400-FAN-ASSEMBLY	M2400 FAN TRAY ASSEMBLY W/(4) FANS
EXK-M2400-SW-IPMPLS	M2400 SOFTWARE PACKAGE FOR IP-MPLS