

DATA SHEET

Mobile Backhaul: EXK-M1200



Features

- Small footprint as Cell Site Router product
- 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: GT8
- IEEE1588v2 TC Only(DPW:G-M-1200O0-G0)
- IEEE1588v2 TC/BC(DPW:G-M-1200E0-G0)
- Synchronous Ethernet(SyncE)
(DPW:G-M-1200E0-G0)
- End to End configuration through INAS(EMS)
- Zero Touch Provisioning
- Power: -48/24VDC Dual input
- Flash Memory: 512MB(B/L+NOS)
- SD RAM: 512MB DDR3
- MAC Table 16K, VLAN 4K
- 72Gbps (Full-duplex) Switching Capacity
- L3 IPv4: 32K(LPM)/16K(Host)
- L3 IPv6: 16K(LPM)/8K(Host)

Overview

Optimized for expanding networks DZS' EXK-M1200 small footprint Mobile Backhaul access CSR (Cell Site Router) is surprisingly powerful and flexible. With 19 inches in width and 8 inches in depth 1 RU chassis, the EXK-M1200 provides 16 gigabit Ethernet ports (8 electric and 8 optic, fixed) and an option slot; the option slot can be used as an uplink or downlink including 8×100/1000Base-T (RJ45) interfaces, so the user can configure the unit according to the network environment.

To ensure equipment-level reliability with a redundant power source, the EXK-M1200 provides dual DC power input on the front panel with the DC power module mounted in chassis.



Specifications

WEIGHT & DIMENSIONS

- 440 x 44 x 200mm

POWER

- DC: -48/24VDC
- Consumption: 26[W]

INTERFACESMain Chassis

- 8 port 100/1000Base-X(SFP)
- + 8 port 100/1000Base-T(RJ45)

Option Board

- IU_GT8: 8 port 100/1000Base-T (RJ45)c

Clock Interface

DPW:G-M-1200E0-G0 Model:

- 1 port 1PPS (SMA)
- 1 port 10MHz (SMA)
- 1 port TOD (RJ45)

Management (Total 3 Ports)

- 1 port RS232 : Console(RJ45)
- 1 port FE : MGMT(RJ45)

Power

- 2 Input (-48V/24V) with On/Off switch

OPERATING REQUIREMENTS

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

MANAGEMENT

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

STANDARDS SUPPORTLayer 2

- Standard Ethernet Bridging
- Port/Subnet/Protocol-based VLAN
- 16K MAC Address Entries
- Spanning Tree: STP, RSTP, MSTP
- 3ad Link Aggregation
- QinQ over Ethernet OAM

MULTICAST

- VLAN port filtering
- Destination address port filtering
- Source MAC address learning

IGMP snooping management

PROTOCOL SUPPORTQOS

- Ethernet type / L4-based ACL
- SSHv1/v2
- QoS and Marking : SP, WRR, DWRR
- Cos/QoS acc. to 802.1p, DSCP/TOS, IP
- SA/DA

OAM

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

DPW:G-M-1200O0-G0 Model

- IEEE 1588v2 TC Only

DPW:G-M-1200E0-G0 Model

- IEEE 1588v2 BC/TC
- Synchronous Ethernet (SyncE)
- 1PPS, 10MHz, TOD



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

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

DZS, the DZS logo, and all DZS product names are trademarks of DZS. Other brand and product names are trademarks of their respective holders. Specifications, products, and/or product names are all subject to change without notice. Copyright ©2017 DZS. All rights reserved.