

M2400

Mobile Network/Mobile Backhaul



Overview

With three option slots, DASAN Networks' 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 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.

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

The 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 M2400 provides two PSU (Power Supply Units) in the back for DC or AC power modules.

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

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Specification

Flash Memory	8MB(B/L)+128MB(NOS)
SDRAM	2GB DDR3
Main 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 & FAN	- PSU : 2 Power module(ACorDC) - FAN : 1 Slot FAN
Management	Total 3 Ports(RJ45) - 1 port RS232 for console(RJ45) - 1 port GTX for MGMT(RJ45) - 1 port Alarm in/out(RJ45)
MAC Table	64K
VLAN	4K
Switching Capacity	200Gbps (Full Duplex)
Operating Temp.	-40~65°C
Operating Humidity	5~90% (non-condensing)
Power Voltage	AC : 100-240VAC, 50/60Hz DC : -48/24VDC
Maximum Power Consumption	60[W]
Dimensions (WxHxD)	440 x 44 x 350mm

Capabilities

Layer 2	<ul style="list-style-type: none"> Standard Ethernet Bridging Port/Subnet/Protocol-based VLAN 64K MAC Address Entries Spanning Tree: STP, RSTP, MSTP 802.3ad Link Aggregation
Layer 3	<ul style="list-style-type: none"> IPv4 Routing IPv6 Routing RIPv1/v2, OSPFv2, BGPv4 VRRP Support
Multicast	<ul style="list-style-type: none"> IGMP v1/v2/v3 L2(4K)/L3(4K) multicast Entries IGMP Snooping PIM-SM/SSM
QoS	<ul style="list-style-type: none"> 8 Queue Management Ethernet type / L4-based ACL QoS and Marking : SP, WRR, DWRR Port rate limit with the ingress/egress shaping
MPLS	<ul style="list-style-type: none"> Fully compliant with IP/MPLS Function Fully compliant with MPLS OAM (BHH, BFD) RSVP-TE, BFD Support
OAM	<ul style="list-style-type: none"> Fully compliant with IEEE 802.1ag(CFM) Fully compliant with ITU-T Y.1731 Ethernet Ring Protection(G.8032)
Clock Function	<ul style="list-style-type: none"> IEEE 1588v2 TC
Managements	<ul style="list-style-type: none"> Serial / Telnet (CLI) RMON SNMPv1/v2/v3 Zero Touch Provisioning

Sample Configuration

