

M1100

Mobile Network/Mobile Backhaul



Overview

DASAN Zhone Solution's M1100, a 1U height & 10 inches width chassis with 1 option slot, is total access switch with optimized for expanding networks.

It provides 8-gigabit ethernet ports (4 electric, 4 optic and 2 10GE fixed) with 1 option slot. By making use of the option slot, the user can configure the unit according to the network environment. The variety of options, which can be used as a 1x10GBase-R(SFP+) or 1xXGS-PON(SFP+) or GPON(SFP) as MDU. Moreover, M1100 supports Clock Synchronization(1588v2).

The M1100 is compact in size, 19 inches in width and 10 inches in height, with a back-to-back design, all ports, and works on front.

The M1100 provides DC power input on the front panel with the DC power module mounted in chassis. This ensures equipment-level reliability with a redundant power source.

Features

- At least two 10-giga Ethernet port small footprint
- 1 option for 10-giga Ethernet
- 1 option for XGS-PON or GPON
- Fault Management(802.1ag/Y.1731) Function
- SNMPv1/v2/v3 with RMON, Alarms
- Improved QoS and differentiated traffic service
- RADIUS, TACACS+ Authentication
- Realtime network traffic monitoring and analyzing
- TWAMP Reflection function
- IEEE1588v2 TC/BC, Synchronous Ethernet
- Power: 1 PSU(-48VDC) Input
- Hardern Environment : XGS-PON [-20°C~50°C] & 10GE/GPON [-40°C~65°C]
- Outdoor Enclosure for IP65 with Fan-less

Specification

Flash Memory	512MB NAND (B/L + NOS)
SDRAM	512MB DDR3
Main Chassis	4 port GTX(RJ45) 4 port GE(SFP) 2 port 10GBase-R(SFP+)
Option Board (1 Option Slot for Interface Unit)	- IU_10GE1 : 1 port 10GBase-R (SFP+) - IU_XGS-PON: 1 port XGS-PON (SFP+) - IU_GPON: 1 port GPON (SFP)
Power & FAN	- PSU : 1 Power Input(DC) - Fanless
Management	Total 2 Ports(RJ45) - 1 port RS232 for console(RJ45) - 1 port TX for MGMT(RJ45)
Switching Capacity	76Gbps (Full-duplex)
Operating Temp.	-20~50°C [XGS-PON] -40~65°C [10GE/GPON]
Operating Humidity	0~90% (non-condensing)
Power Voltage	DC 48V Input DC Range : -48/24VDC
Power Consumption	22.1W (with IU_10GE) 29.0W (with GPON and CM)
Dimensions (WxHxD)	300 X 190 X 44mm

Capabilities

Layer 2	<ul style="list-style-type: none"> Standard Ethernet Bridging Port/Subnet/Protocol-based VLAN 16K MAC Address Entries Spanning Tree: STP, RSTP, MSTP 802.3ad Link Aggregation QinQ over Ethernet OAM
Multicast	<ul style="list-style-type: none"> VLAN port filtering Destination address port filtering Source MAC address learning IGMP snooping management
QoS	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Compliant with IEEE 802.1ag(CFM) Compliant with ITU-T Y.1731(CFM)
Clock Function	<ul style="list-style-type: none"> IEEE 1588v2 BC/TC
Managements	<ul style="list-style-type: none"> Serial / Telnet (CLI) RMON SNMPv1/v2/v3 EMS Management

Sample Configuration

