

M1500

Mobile Backhaul Access Switch



New mobile cell site switch/gateway solution is M1500 for 4G/5G service, DZS Zhone Solution(DZS) M1500 is a 1U height & 10 inches width chassis outdoor installed switch. M1500 is optimized mobile small cell coverage as expanding the legacy networks architecture. With central office solution(like V8204), 5G distribution RAN architecture target in 5G midhaul solution, easy extended from XGS-PON ONU as cascading architecture, even clock hierarchy can afford to delivery as mobile device through 10GE

interfaces in M1500.

It provides the optical 6-tengigabit ethernet ports (6 x 10GE fixed) and fan less architecture. Moreover, M1500 supports Time Clock Synchronization(1588v2).

The M1500 is compact in size, 19 inches in width and 10 inches in height, with a back-to-back design, all ports, and operation-works in front. The M1500 provides DC power input on the front panel with the DC power module mounted in chassis.

KEY FEATURES

- Full 10Gbps Interface & Small footprint
 - Total 6 10G-Base-R port support
- Fault Management(802.1ag/Y.1731) Function
- SNMPv1/v2/v3 with RMON, Alarms
- Improved QoS and differentiated traffic service
- Mobile Service subscriber support
- RADIUS, TACACS+ Authentication
- Realtime network traffic monitoring and analyzing
- TWAMP Reflection function
- IEEE1588v2 TC/BC
- Synchronous Ethernet
- Power : 1 PSU(-48VDC) Input

HARDWARE FEATURES

CPU	Single Core ARM 1G/10GBase-r (SFP/SFP+)	Operating Temperature	-20 to 65°C
Interface	6 x 10GBase-R (SFP/SFP+) 1 x Console port (RJ45) 1 x MGMT port (RJ45)	Operating Humidity	0 to 90% (non-condensing)
MAC Table	16K	Power Voltage	Input: -48VDC Single Input Power (DC 48V) - via DC cable - via AC adapter (AC100V to DC48V)
VLAN	4K	Dimensions	280(W) x 44(H) x 190(D) mm * without wing-bracket

SOFTWARE FEATURES

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 • ITU-T Y.1731 OAM 	QoS	<ul style="list-style-type: none"> • IP ACL, MAC ACL • Scheduling mode – SP, WRR, DWRR • DSCP and Cos marking • SrTCM/TrTCM
Multicast	<ul style="list-style-type: none"> • IGMPv1/v2/v3 • IGMP snooping 	Management	<ul style="list-style-type: none"> • Serial/Telnet (CLI) • RMON • SNMPv1/v2/v3 • Single IP Management
Clock	<ul style="list-style-type: none"> • IEEE 1588v2 BC/TC • Synchronous Ethernet (SyncE) 		