Model No. : MOLT33-08P

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GPON OLT UNIT

# MARS | MOLT33-08P

PRODUCT DATASHEET




## PRODUCT DESCRIPTION

**The Mars MOLT33-08P** is a 1RU enhanced OLT that is easy to install and maintain with high performance software driven platform.

The Internationally certified OLT meeting the requirements of ITU-T G.984/G.988 with carrier class reliability and complete set of security functions.

## PRODUCT FEATURES

**Advanced Fan System**

**AC/DC**
Reliable Power Redundancy

**8x**
PON ports

**PON Protection**

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PRODUCT MODEL **MOLT33-08P**

# FEATURES & SPECIFICATIONS



## GENERAL/PHYSICAL FEATURES

**DIMENSIONS**
L=440mm W=44mm H=380mm

**WEIGHT**(fully loaded)
<3kg or equal

**WORKING TEMPERATURE**
-10 to 55 °Celsius

**STORAGE TEMPERATURE**
-40 to 70 °Celsius

**RELATIVE HUMIDITY**
10% to 90%, non-condensing

**POWER CONSUMPTION**
<80W or equal

## GPON FEATURES

- ITU-TG.984.x standard
- Maximum transmission distance 20Km
- Access 128 terminals for single fiber PON
- Uplink and downlink triple churning encrypted function with 128Bits
- ONU terminal legitimacy certification, report illegal ONU registration
- DBA algorithm, the particle is 1Kbit/s
- ONU batch software upgrade, fixed time upgrade, real time upgrade
- Standard OMCI management function
- PON port optical power detection

## L2 FEATURES

### MAC

- MAC black hole
- Port MAC limit
- 64K MAC (packet exchange chip cache 2MB, external cache 720 MB )

### VLAN

- 4K VLAN entries
- Port-based/MAC-based/protocol/ IP subnet-based
- QinQ and flexible QinQ (StackedVLAN)
- VLAN Swap and VLAN Remark

### SPANNING TREE

- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid STP
- IEEE 802.1s Multiple STP
- ONU remote loop detect alarm

### PORT

- Bi-directional band control
- Static link aggregation
- Port mirroring
- LACP

## L3 FEATURES

### IPv4

- ARP Proxy
- DHCP Relay
- DHCP Server
- Static route

### IPv6

- ICMPv6
- DHCPv6
- ICMPv6 Redirection

## SECURITY FEATURES

### DEVICE SECURITY

- Security IP login through Telnet
- Hierarchical management and password protection of users

### NETWORK SECURITY

- Standard and extended ACL
- Time Range ACL
- Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number, protocol type, etc
- packet filtration of L2～L7 deep to 80 bytes of IP packet head

## RELIABILITY

### LINK PROTECTION

- RSTP (recover-time <1s)
- Type B PON protection

### LOOP PROTECTION

- ERRP (recover-time <50ms)
- Loopback detection

### DEVICE PROTECTION

- 1+1 Power hot backup

## MAINTENANCE

### NETWORK MAINTENANCE

- Port real-time, utilization and transmit/receive statistic based on Telnet
- GPON OMCI
- Ping and Trace route

### DEVICE MANAGEMENT

- CLI, Console port, Telnet and WEB
- SNMPv1/v2/v3
- RMON (Remote Monitoring)1,2,3,9 groups MIB
- NTP
- NMS

## CONFIGURATION OPTIONS

| MODEL | DESCRIPTION | CONFIGURATION |
|---|---|---|
| MOLT33-08P | 8 port OLT | 8x GPON ports, 4x GE optica and 2 × 10G Uplink |
| MAC0 | Power supply | AC/DC Power supply unit |

*GX Group reserve the right to make changes of technical specifications,housing or design as per market needs