Model No. : SOLT33-08P

FTTH REDEFINED

GPON OLT UNIT

SATURN | SOLT33-08P

PRODUCT DATASHEET



PRODUCT DESCRIPTION

SATURN SOLT33-08P 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

PRODUCT MODEL **SOLT33-08P**

FEATURES & SPECIFICATIONS



GENERAL/PHYSICAL FEATURES

DIMENSIONS
L=445mm W=277mm D=44mm

WEIGHT(fully loaded)
<2.8kg or equal

WORKING TEMPERATURE
-10 to 65 °Celsius

STORAGE TEMPERATURE
-40 to 70 °Celsius

RELATIVE HUMIDITY
10% to 90%, non-condensing

POWER CONSUMPTION
<60W 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
SOLT33-08P	8 port OLT	8x GPON ports, 4x GE optical and 2 × 10G Uplink
SAC0	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