TS-OLT8GP-2TE

OLT GPON **8 PON** ports, **8 GE ports** (4 gigabit SFP ports, 4 gigabit TX/SFP combo ports) and **4 10G** SFP+ ports.

PRODUCT OVERVIEW :

TELESYSTEM TS-OLT8GP-2TE complies with ITU-T G.984/G.988 and meets requirements about GPON OLT in Network Access Technical Requirementts.
It fully supports CTC 2.0, automatic discovery and cooperation with ONUs of different manufacturers. TELESYSTEM TS-OLT8GP-2TE suppports the Asymmetric uplink 1.25Gbps/downlink 2.5 Gbps PON transmission rate, efficient bandwidth usage and Ethernet seervices, helping carriers to provide reliable services to their users.
Its coupling ratio ups to 1:128, and its support of different hybrid ONU networks minimize the carrier's investment.
TELESYSTEM TS-OLT8GP-2TE, based on the edge-cutting technologies, is strong in functions. A few of its functions such as QoS guarantee, SLA and DBA can be easily listed out.

PRODUCT CHARACTERISTICS :

- **GPON**: Abiding by ITU-T G.984/G.988, TELESYSTEM TS-OLT8GP-2TE series OLT meets relevant requirements of GPON OLT regulated in Network Access Technical Requirements.
- **System Capacity**: TS-OLT8GP-2TE series supports maximum 8 GPON ports.
- **Uplink Interface**: TS-OLT8GP-2TE series with 4 gigabit SFP ports, 4 gigabit combo ports, and 4 10G SFP+ ports.
- **Dimensions**:1U, occupies a s mall space.
- **Environmental Protection**: low power consumption and low operating cost.
- **Bus Optical Fiber Protection**: the link can be automatically switched when trouble occurs in the optical fiber.
- **Power Characteristics**: supports dual-AC, dual-DC and AC/DC power supply. The power supply supports modularized design, hot-swap and EMC-3 standard. It well adapts to the environment.

TECHNICAL PARAMETERS :

Attributes		**GP3600-08**
System Capacity		Maximum coupling ratio:1:128 Backplane bandwidth:205G MAC table capacity: 64K
Interface	**PON**	8
	Uplink interface	8 GE ports (4 gigabit SFP ports, 4 gigabit TX/SFP combo ports) 4 10GE ports
Attributes of the PON Interface		The transmission rate with downlink 2.5Gbps/uplink 1.25Gbps Class B^+ and Class C^+ GPON module Security: ONU authentication mechanism

Standards	ITU-T G.984/G.988 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad physical link static/dynamic aggregation (LACP) Ethernet – II
QoS	Backpressure flow control (half duplex) IEEE 802.3x flow control (full duplex) IEEE 802.1p, CoS WRR, SP and FIFO queue schedule Limiting the uplink/downlink rate based on each ONU DBA and SLA
VLAN	Port-based VLAN, 4K VLAN QinQ and flexible QinQ
Multicast	L2 Multicast IGMP Snooping MLD Snooping
Reliability	Unidirectional Link Detection (UDLD) Hot swap of the GPON optical module Optical path protection of GPON (type B/C, hand-in-hand) Abnormal luminescence ONU detection such as long luminescence
Network Security	Limiting the maximum number of users on each port Port isolation Packet storm control Flow-based ACL access control function Transmission data encryption on the PON interface
Configuration Management	Various management modes such as CLI, SNMP and TELNET Conducting software upgrade through TFTP Debug output
Physical Characteristics	Dimensions mm (W×D×H): 442.5x304x 44 Installation: standard 19-inch rack-mounted Weight:5.25Kg
Environment	Operating environment: 0℃-45℃; 10%-85% non-condensing
	Storage environment: -40℃-80℃; 5%-95% non-condensing
Power Supply	Input voltage: AC90 ~ 240V, DC 36 ~ 72V dual-power input, DC/AC power supply and hot-swap