GPON/EPON SERIES ONU

GPON/EPON series ONU is a high-end integrated broadband access device with flexibility and user-friendliness, compliant with IEEEE 802.11 b/g/n and 802.11 a/n/ac standards.

Overview

FS's GPON/EPON Series ONU is a new generation smart ONT for integrated multi-service broadband access networks. TA Series, involving multiple models, supports common enterprise broadband access service, POE service, and outdoor wide temperature.

TA Series complies with the international standard ITU-T G. 984/988 and PRC Communication Industry Standard GPON ONT in Access Technology Requirements and China Telecom GPON Technical Requirement CTC2.0.
TA Series has 3 models: TA1910-4GVC-W, TA1710-4G-P, TA2110-8GP.

Benefits

- Up to 1.25Gbps Upstream and 2.5Gbps Downstream
- G.984/988 Standards Ensure Compatibility with Mainstream OLT Equipment
- Support QoS and DBA for Service Quality Guarantee
- Epon Gpon Dual Mode Automatic Switching
- Maximum Transfer Distance of Up to 20km
- Support WEB/SNMP for Flexible Operation

Technical Specification

GPON/EPON series ONU can provide high performance broadband access service for home and enterprise.Here's a look at the details.

CHARACTERISTICS

	TA2110-8GP	TA1710-4G-P	TA1910-4GVC-W
PON Ports	1x SC/UPC	1x SC/UPC	1x SC/APC
UNI Ports	8x GE RJ45 + 1x SFP	4x GE RJ45	4x GE RJ45 + 2x RJ11 + 1x RF
Optical Receive Sensitivity	0.5~5dBm	0.5~5dBm	0.5~5dBm
Optical Tx Power	≤-28dBm	<-28dBm	<-28dBm
Power Supply	100-240V AC	100-240V AC	100-240V AC
Power Consumption	142.5W	65W	15W
Dimensions(HxWxD mm)	1.73"×17.39"×7.87" (44×340×200mm)	1.10"×6.69"×3.86" (28×170×98mm)	1.37"×9.05"×5.51" (34.9×230×140mm)
Operation Temperature	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)	-40 to 80°C (-40 to 176°F)	-40 to 85°C (-40 to 185°F)

Notes:

RJ45 ports can be used as 10/100/1000Mbps ports for Ethernet connection. SFP ports can be used for 1G connection. RJ11 ports can be used for general voice over IP system. RF port can be used for cable TV connection.

	TA2110-8GP	TA1710-4G-P	TA1910-4GVC-W
VLANs	4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN, Voice VLAN	4K VLAN Port based VLAN IEEE 802.1Q VLAN Tag/Transparent/Aggregation /Trunk/Translation mode VLAN CTC2.0 defined VLAN	4K VLAN Port based VLAN IEEE 802.1Q VLAN CTC2.0 defined VLAN
QoS	CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/COS/DSCP/TOS based QoS, 802.1P/DSCP priority re-labeling, SP, WRR, and "SP+ WRR", duplex) Tail-Drop, WRED, flow monitoring Against Head of Line mechanism and traffic shaping	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full IEEE 802.1p, CoS Four priority queues on each port WR, SP and FIFO queue schedule algorithms Port rate limit SLA and DBA	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full duplex) Against Head of Line mechanism IEEE 802.1p, CoS Four priority queues on each port WR, SP and FIFO queue schedule algorithms Port rate limit SLA and DBA
Multicast	IGMP v1/2/3 IGMP Snooping IGMP Fast Leave IGMP Filter MVR	IGMP-Snooping CTC defined dynamic multicast function MLD-Snooping Multicast group limitation Multicast fast-leave	IGMP-Snooping CTC defined dynamic multicast function MLD-Snooping Multicast group limitation Multicast fast-leave

CHARACTERISTICS

	TA2110-8GP	TA1710-4G-P	TA1910-4GVC-W
Reliability	Static/LACP link aggregation, Interface backup EAPS and ERPS ISSU	Loop detection Dying-Gasp TX/RX optical power alarm	Loop detection Dying-Gasp TX/RX optical power alarm
Management	Console, Telnet,SSH v1/2,HTTP, HTTPS SNMP v1/v2/v3, RMON TFTP, FTP, SFTP NTP ZTP(Zero Touch Provisioning) SPAN, RSPAN	Management modes including HTTP, SNMP Software upgrade through TFTP and WEB, OMCI, etc. Local or server syslog	Management modes including HTTP, SNMP, TR069 Software upgrade through TFTP and WEB, OMCI, etc. Local or server syslog
Network Security	MAC address number limit MAC filter Port protect	MAC address number limit MAC filter Port protect	MAC address number limit MAC filter Port protect
Standards	ITU-T G.984/G.988 PRC Community Industry Standard GPON ONU in Access Technology Requirements IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291	ITU-T G.984/G.988 PRC Community Industry Standard GPON ONU in Access Technology Requirements IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291	ITU-T G.984/G.988 PRC Community Industry Standard GPON ONU in Access Technology Requirements IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291
Spanning Tree	802.1D (STP),802.1W(RSTP) and 802.1S(MSTP)BPDU guard, root guard and loopback guard	---	---
Wireless	---	---	802.11 b/g/n 802.11 ac(-22A models) 2x2 MIMO Multi SSID SSID encryption Wireless channel(configurable)

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