

ONU2110-24GP XPON ONU

1-Port xPON POE MDU (Multi-Dwelling Unit), GPON/EPON Dual-Mode Adaptive



Overview

ONU2110-24GP is a new generation smart PoE MDU for integrated multi-service broadband access networks. ONU2110-24GP, involving multiple models, supports common enterprise broadband access service and POE service.

The ONU is compatible with EPON and GPON networks: complied with the international standard ITU-T G.984/988 and IEEE802.3ah, PRC Communication Industry Standard GB/T33845-2017 and YD/T1475-2006, and China Telecom EPON/GPON Technical Requirement CTC. Standing out with great interoperability and operability, GP1702-1G series can Interconnect well with OLTS of mainstream manufacturers in the industry.

Benefits

- Support GPON/EPON Dual-mode Automatic Switching
- Up to 24 PoE/PoE+ Ports, 370W Total Budget
- Support DBA and Rate-Limit for Smart Bandwidth Management
- Layered Security with VLAN, ACL, AES-128, and Storm Control
- Support CLI/TELNET/WEB/SNMP/SSH for Flexible Operation
- 24x RJ45, 1x SFP, 1x PON, Abundant Number of Ports to Meet Access Requirements
- Support ITU-T defined Standard OMCI Including Configuration, Alarms and Monitoring

Technical specification

XPON MDU can provide high performance broadband access service for home and enterprise. Here is a look at the details.

CHARACTERISTICS

	ONU2110-24GP
PON Ports	1-Port SC/UPC
UNI Ports	4-Port Gigabit PoE
Optical Tx Power	0.5-5dBm
Optical Receive Sensitivity	-28dBm
Power Supply	100-240V AC
Max. consumption (W)	25
PoE Budget (W)	370
Chassis Dimensions (HxWxD mm)	1.73"x17.3"x 8.15" (44x 440x 207mm)
Weight (Kg) (empty)	3.0
Dimensions Package (WxDxH mm)	2.95" x19.69" x12.72" (75x500x323mm)
Weight (Kg)	3.7
Operating Temperature	0-45°C
Storage Temperature	-40°C~85°C
Operating Humidity	10%-85%(non-condensing)
Storage Humidity	5%~95%(non-condensing)

FEATURES

Functionality	ONU2110-24GP
Standards	ITU-TG.984/G.988 IEEE802.3ah GBT33845-2017, YD/T 1475-2006 IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291
VLAN	4K VLAN Port based VLAN IEEE 802.1Q VLAN Tag/Transparent/Aggregation /Trunk/Translation mode VLAN CTC2.0 defined VLAN
XPON Service	AES128 algorithm encryption MAC/Loid/Hybrid authentication
QoS	Backpressure flow control (half-duplex) IEEE802.3x flowcontrol (full duplex) Against Head of Line mechanism IEEE802.1p, CoS Four priority queues on each port WR, SP and FIFO queue schedule algorithms Port rate limit SLA and DBA
Management	Management modes including CLI, HTTP, SNMP, TR069 and TELNET Software upgrade through TFTP and WEB, OMCI, etc. Local or server syslog
Network Security	MAC address number limit MAC filter Port protect

FEATURES

Functionality		ONU2110-24GP
Reliability		Loop detection
		Dying-Gasp
		TX/RX optical power alarm
Multicast		IGMP-Snooping
		CTC defined dynamic multicast function
		MLD-Snooping
		Multicast group limitation
		Multicast fast-leave