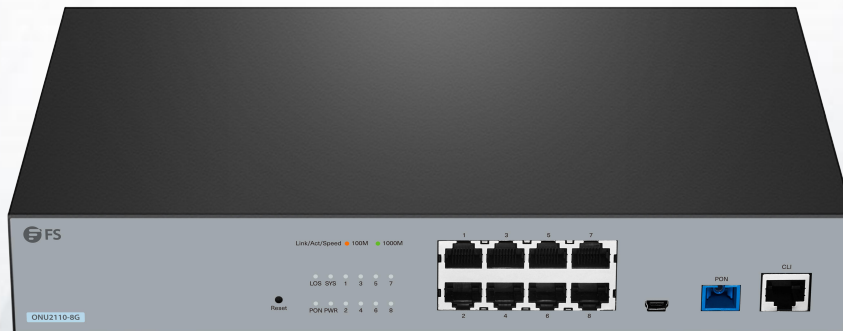


ONU2110-8G XPON MDU ONU

1-Port MDU ONU, GPON/EPON Dual-Mode Adaptive



Overview

ONU2110-8G is a new-generation smart SFU designed for integrated multi-service broadband access networks. Fully compliant with ITU-T G.984/988, IEEE 802.3ah, and China Telecom EPON/GPON technical specifications, the ONU2110-8G supports both EPON and GPON networks, offering strong interoperability with mainstream OLT devices. It enables automatic switching between EPON and GPON, ensuring a smooth, cost-effective network evolution.

To enhance secure and reliable service delivery, the ONU2110-8G incorporates advanced network features such as VLAN, STP, port isolation, ACL, QoS, and broadcast storm control. Its high operability and compatibility make it an ideal choice for carriers and integrators seeking scalable, future-ready MDU solutions.

Benefits

- Support GPON/EPON Dual-mode Automatic Switching
- Support GreenTouch Architecture and Smart@CHIP
- Support TFTP/WEB/OMCI for Flexible Operation
- Support DBA and Rate-Limit for Dynamic Bandwidth Distribution
- Support VLAN, QoS, Storm Suppression and Port Isolation

Technical specification

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

CHARACTERISTICS

	ONU2110-8G
PON Ports	1 SC/UPC
UNI Ports	8-Port Gigabit RJ45
Optical Tx Power	0.5-5dB
Optical Rx Sensitivity	-28dBm
Power Supply	100-240V AC
Max Consumption	15W
Dimensions(Chassis)	1.73"x11.02"x7.09" (44x280x180mm)
Dimensions(Package)	2.48"x15.75"x8.66" (63x400x220mm)
Weight(Chassis)	1.1kg
Weight(Package)	1.7kg
Operating Temperature	0°C to 45°C (32 to 113°F)
Storage Temperature	-40°C to 85°C (0 to 185°F)
Operating Humidity	10% to 85% (non-condensing)
Storage Humidity	5% to 95% (non-condensing)

FEATURES

Functionality	ONU1710-4G
VLANs	4K VLAN Port Based VLAN IEEE 802.1Q VLAN Tag/ Transparent/ Aggregation/ Trunk/ Translation Mode VLAN CTC2.0 Defined VLAN
QoS	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-Snooping CTC Defined Dynamic Multicast Function MLD-Snooping Multicast Group Limitation Multicast Fast-Leave
Reliability	Loop Detection Dying-Gasp TX/RX Optical Power Alarm
Management	Management Modes including CLI, HTTP, SNMP and TELNET Software Upgrade through TFTP and WEB, OMCI, etc. Local or Server Syslog
Network Security	MAC Address Number Limit MAC Filter Port Protect
Standard	ITU-T G.984/G.988, IEEE802.3ah GBT33845-2017, YD/T 1475-2006 IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291
XPON Service	AES128 Algorithm Encryption MAC/Loid/Hybrid Authentication