4-Port 10GE SFP+ 4-Port GE 8-Port GPON

Cloud Managed GPON OLT

WI-POL5800-08

Overview

WI-POL5800-08 is a high-performance GPON optical line terminal for POL solutions. It is the core of all-optical solutions for the evolution of next-generation networks. It provides 4*10GE SFP+ and 4*GE uplink, The mix of fiber and copper allows it to be flexibly deployed in a network and connected to a variety of networks. With 8*GPON ports, provide up to 1024 ONUs access and centralized operation and management at a maximum 1:128 splitting ratio. The abundant L2 & L3 function ensure the compatibility, reliability and security of the network. It can be widely used in FTTX access, enterprise office, campus network, hotel network, etc.

Features

All-optical Networking

Intelligent, simplified, ultra-broadband, long-distance next-generation all-optical networks

Hybrid Interface for Flexibly Application

SFP+, GE, and GPON port combinations can be adapted to various network architectures and flexibly deployed.

Abundant L2&L3 Function

With VLAN, QoS, ACL, OSPF, IS-IS, BGP, etc. abundant L2 and L3 functions, provide higher performance and reliability, more flexibility, and more complete security.

Good Compatibility and Mass Access ONUs

Compliant with ITU-T G.984/G.988 technical standard, can work with the mainstream manufacturers of ONU, with 1:128 passive optical splitter, it can provide up to 1024 ONUs access.

Specifications

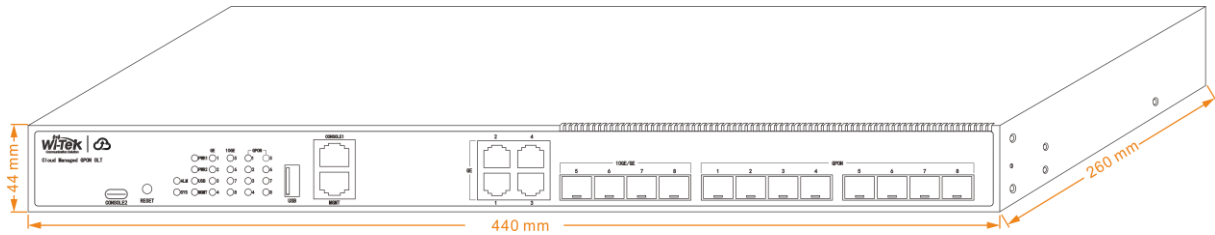| Products	WI–POL5800–08
Hardware Version	V1
Hardware Features	
Interface	4*1/10Gbps SFP+ ports 4*10/100/1000Mbps RJ45 ports 8*GPON ports
Management Port	1*RJ45 console port 1*USB–C console port 1*MGMT RJ45 port
LED Indicator	2*PWR, Power indicators 1*SYS, System status indicator 1*ALM, Alarm indicator 1*USB, USB status indicator 1*MGMT, MGMT port indicator 4*GE, 1~4 GE ports indicators 4*10GE, 5~8 10GE SFP+ indicators 8*GPON, 1~8 GPON ports indicators
Button	1*Reset button, long press over 10 seconds to restore the factory default configuration.
Power Supply	Support redundant dual power supply, only AC power in default package. AC: 100~240V, 50/60Hz DC: 36V~75V (Optional)
Power Consumption	<65W
Dimensions(W*D*H)	440m*260*44mm
Weight	3.67kg
Package Dimensions	570*440*125mm
Package Weight	5.29kg
Installation	Rack/Desktop/Wall mounted
Fan Quantity	3 fixed fans
Material	Metal shell
Color	Gray
Switch Property	
Forwarding Mode	Store and forward
Storage	8GB
Memory	2GB
MAC Address Table	64k
Switching Capacity	104Gbps
Packet Forwarding Rate	77.376Mpps
Jumbo Frame	9k Bytes
Reliability	
Operating Environment	–10℃ to 55℃, 10%~95% (non–condensation)
Storage Environment	–40℃ to 70℃, 10%~95% (non–condensation)

Software Specifications

Products	WI-POL5800-08
Hardware Version	V1
Software Features	
PON	Comply with ITU-TG.984/G.988 standard 20KM Physical differential distance, 60KM transmission logical distance 1:128 Max splitting ratio Standard OMCI management ONU batch software upgrade Support ONU SN, password, SN + password, LOID, etc. authentication Support DBA
VLAN	Support 4K VLAN Support Vlan based on port, MAC and protocol Support dual Tag VLAN, port-based static QinQ and flexible QinQ
MAC	Support static MAC address setting Support black hole MAC address filtering Support port MAC address limit
Ring Network Protocol	STP/RSTP/MSTP ERPS Loopback-detection
Port Control	Two-way bandwidth control Port storm suppression
Port Aggregation	Static link aggregation Dynamic LACP Each aggregation group supports a maximum of 8 ports
Mirroring	Port mirroring Stream mirroring
ACL	Support standard and extended ACL Support ACL policy based on time period Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc.
QoS	Support flow rate limiting function based on custom business flow Supports mirroring and redirection functions based on custom business flows Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function, Support queue scheduling algorithms such as SP/WRR/SP+WRR

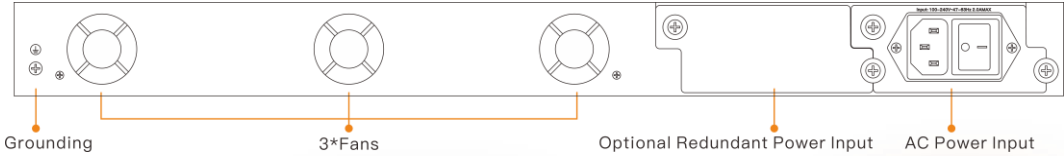| Products	WI–POL5800–08
Hardware Version	V1
Software Features	
Security	Support user hierarchical management and password protection
	Support IEEE 802.1X authentication
	Support Radius & TACACS+ authentication
	Support MAC address learning limit, support black hole MAC function
	Support port isolation
	Support broadcast message rate suppression
	Support IP Source Guard Support ARP flood suppression and ARP spoofing protection
	Support DOS attack and virus attack protection
Layer 3 Function	Support ARP learning and aging
	Support static route
	Support dynamic route RIP/OSPF/BGP/ISIS
	Support VRRP
System Management	CLI, Telnet, WEB, SNMP V1/V2/V3, SSH2.0
	Support FTP, TFTP file upload and download
	Support RMON
	Support SNTP
	Support system work log
	Support LLDP neighbor device discovery protocol
	Support 802.3ah Ethernet OAM
	Support RFC 3164 Syslog
	Support Ping and Traceroute
Certification	
Certification	CE, FCC, RoHS, UKCA, RCM

Appearances and Dimensions

WI–POL5800–08

Dimensions

44 mm
440 mm
260 mm

Front Panel

LED Indicators   Console Port1

Console Port2   Reset button   USB   MGMT Port   4*1000Mbps RJ45   4*1/10Gbps SFP+   8*GPON

Rear Panel

Grounding   3*Fans   Optional Redundant Power Input   AC Power Input
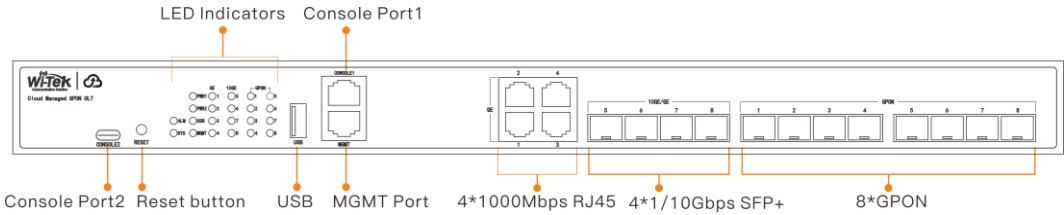
Package Content

Welcome to order our products. After purchasing, you will receive:

Item	Quantity
OLT	1 pcs
AC Power Cable	1 pcs
Grounding Cable	1 pcs
USB to RJ45 Console Cable	1 pcs
Mounting Accessories (L–shape bracket, Screw Mat)	1 pcs
Quick Installation Guide	1 pcs

CE FC RoHS UK CA

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