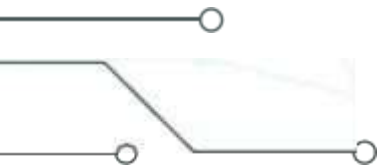


Gigabit ONU XPON

XCH- 125Z (Gigabit Ethernet)



XPON Gigabit ONU, XCH Solution is ideal for providers with plans 1000Mbps, looking for a product capable of delivering quality, performance and security in the connection.



**Mini
Size**



Route

**GPON
EPON**

ZTE

Technical Specifications

Hardware Specifications	
Size (L*W*H)	92mm (L) ×21.5mm (W) ×17mm (H)
Optical signal access	EPON/GPON
User interface	1GE
Indicator light	POWER/PON/LOS/LAN
Button	Power switch Button, Reset Button
Weight	0.03g
Power adapter input	100V~240V AC, 50Hz~60Hz
PowerSupply requirement	5V Type-C Power supply
Power consumption	<6w
Working temperature	-20. C ~ +70. C
Environment humidity	10% ~ 90% (Non-condensing)
PON Interface	
Module type	SC/UPC
Working wavelength	up 1310nm, down 1490nm
TX Optical power value	0.5~5dbm
RX Optical power sensitivity	-27dBm
Transmission distance	0~20km
Transmission rate	GPON:Uplink 1.244Gbps; downlink 2.488Gbps EPON:Uplink 1.244Gbps; downlink 1.244Gbps
Ethernet interface	
Interface type	RJ45
Interface parameters	1 x 10/100/1000Mbps auto adaptive Ethernet interfaces

Product Features

Supported Protocols

- » Support EPON/GPON mode and switch mode automatically
 - » GPON:Compliance with IEEE 802.3ah & itu-t g.984.x standard
 - » GPON:8 T-CONTs,32 GEM Ports
 - »Supports the WEB configuration function
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- » Supports the WEB configuration function
 - » Support SFU and HGU types, can switch to use each other
 - » Support PPPoE/ Static IP/ DHCP
 - » Layer 2 Switching, support 802.1QVLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
 - » Layer 3 Home Gateway/CPE features with Hardware NAT, supports Route mode, etc
 - » Supports the configuration of Ethernet interface rates, working modes,MDI/ MDIX auto-negotiation mode, and Pause flow control
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- » Provides performance statistics on all Ethernet lines
 - » Support multicast IGMP snooping
 - » Supports the L2 wire speed forwarding
 - » Supports the AES-128 algorithm for data encryption of downlink data

Compatibility

ONU Model	OLT Model	OLT Version	Compatible Situation
XCH-125Z	All of XCH OLT	ALL Version	100%
	MA5608T (Huawei)	V015	100%
	MA5680T (Huawei) MA5683T (Huawei)	V009 V011 V015	100%
	MA5800 X2 (Huawei) MA5800 X7 (Huawei) MA5800 X15 (Huawei) MA5800 X17 (Huawei)	V018	100%
	C320 (ZTE) C300 (ZTE)	V1.2.5 V2.1.0	V1.2.5 100% V2.1.0 80%
	AN5516-01 (Fiberhome) AN5516-04 (Fiberhome) AN5516-06 (Fiberhome)	RP0700	100%

» XCH ONU ,technically available to any OLT, can work with any OLT that can be adapted to third-party ONU.

»To ensure compatibility between ONU and OLT, please select the appropriate OLT version.

Gigabit ONU Series

Product	Uplink interface	User interface
XCH-121XR	1*EPON/GPON	1GE Bridge
XCH-122XR	1*EPON/GPON	1GE Bridge/Route

Application

