Opticalink M2-4X6X
XPON ONT
Product Introduction

Version: V1.0

1 Overview

Integrated with powerful interoperability and low cost, XPON M2-4X6X WIFI6 ONT provide triple-play services to the subscribers in FTTx application.

Equipped with 1.25&2.5Gbps Downstream and 1.25Gbps Upstream XPON interface compliant with ITU-T G.984 standard, M2-4X6X ONT support the comprehensive triple-play services, including video and high-speed internet access service.

2 Hardware Specification

Parameter Name		Hardware Parameter	
Optical Interface (Two-in-one)	Optical Type	SC/APC single-mode (with CATV) SC/PC (without CATV)	
	PON	Standard	ITU-T G.984 /ITU-T G.988 standard
		GPON，Upstream 1.244Gbps, Downstream 2.488Gbps	
		Wavelength	Tx 1310nm, Rx 1490nm
		Sensitivity	Tx Range:0.5-5dBm Rx: >-28dBm
		Overload	>-8dBm
	CATV	Wavelength	1550nm
		Input Power	-2~-15dBm
Interface Type	Ethernet Port	4*10/100/1000Base-T, Auto adaptive, Full/Half Duplex, RJ45 connector	
	POTS	0~2*POTS, RJ11 connector	
	WIFI	WiFi, 5dBi external antennas, **1800Mbps**, MIMO 2x2	

		2.4G, IEEE 802.11b/g/n, 300Mbps 5G, IEEE 802.11a/n/ac/ax, 1475Mbps	
	USB	1*USB 3.0	
	RF	RF Type	RF coaxial connector, F type
		Bandwidth	47 ~ 1002 MHz
		Output Power	70±1dBuV
Dimension		206mm(L)*145mm(W)*32mm(H)	
Weight		About 350g	
Power Supply		220V AC External power adapter, 12V/1.5A	
Power Consumption		<12W	
Working Environment		Temperature	-25ºC to +55º C
		Humidity	5% to 95% (no condensing)

3 Software Features

Parameter Name	Software Parameter
Internet Connection	Support Bridge, Route, Route and Bridge mixed mode Support PPPoE, DHCP, Static IP Support multiple WAN interface
LAN	Support Port rate limiting Support Loop detection IP ToS/DSCP to 802.1p mapping Support MDI/MDIX
VLAN	Support VLAN tag mode Support VLAN transparent mode Support VLAN trunk mode Support VLAN 1:1 translation mode Support VLAN QinQ mode
Multicast	Support IGMPv1/v2/v3 Support IGMP Proxy and MLD Proxy Support IGMP Snooping and MLD Snooping
QoS	Support 4 queues Support SP and WRR Support 802.1P Support DSCP
L3	Support IPv4、IPv6 and IPv4/IPv6 dual stack Support DHCP/PPPOE/Statics Support Static route Support NAT Support DHCP Server Support DMZ Support Virtual Server Support UPnP Support IGMP

Security	Support Firewall Support Mac filter Support ACL Support URL filter
VoIP	Support SIP /GEGACO v2 (H.248) protocol Support Voice coding: ITU-T G.711/G.723/G.729, auto-negotiate with call agent Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length Support high/low speed fax/Modem, bypass fax, and T38 fax Support InBand / RFC2833/SIP INFO, MD5 authentication, call forward, call waiting,hot-line call, and all kinds of value-added voice service. Multi-party conferencing Support Line testing according to GR-909
WIFI	Support 8 SSID Mixed mode Support No-auth, WEP, WPA-PSK and WPA2-PSK function with AES, TKIP encryption Support EasyMesh protocol
OAM/OMCI	Support OAM/OMCI (the embedded operations channel) interface as Defined by IEEE802.3ah, ITU-T G.984, and other international standards Support TR069 Provisioning all kinds of services including Ethernet, WLAN and VoIP, etc. by subset of TR-098 and TR-104 Alarming and AVC report, performance monitoring Remotely software image download over OMCI, as well as activation and rebooting Hold two software sets with software image integrity checking and automatic rollback

4 Ordering Information

Model	Product Description
M2-4060	XPON ONT, single-fiber, 4GE , WIFI6, plastic shell, external power adapter
M2-4061	XPON ONT, single-fiber, 4GE , 1CATV, WIFI6, plastic shell, external power adapter
M2-4160	XPON ONT, single-fiber, 4GE , 1POTS, WIFI6, plastic shell, external power adapter
M2-4161	XPON ONT, single-fiber, 4GE , 1POTS,1CATV, WIFI6, plastic shell, external power adapter
M2-4260	XPON ONT, single-fiber, 4GE , 2POTS, WIFI6, plastic shell, external power adapter
M2-4261	XPON ONT, single-fiber, 4GE , 2POTS,1CATV, WIFI6, plastic shell, external power adapter