



**Opticalink M2-4050
GPON ONT
Product Introduction**

Version: V1.0

1 Overview

Integrated with powerful interoperability and low cost, GPON M2-4050 ONT provides triple-play services to the subscribers in FTTx application.

Equipped with 2.5G Downstream and 1.25G Upstream GPON interface compliant with ITU-T G.984 standard, M2-4050 ONT supports the comprehensive triple-play services, including video and high-speed internet access service.



2 Hardware Specification

Parameter Name	Hardware Parameter	
PON	Optical Type	SC/PC
	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
Interface Type	Ethernet Port	4*10/100/1000Base-T, Auto adaptive, Full/Half Duplex, RJ45 connector
	WIFI	WiFi, 5dBi external antennas, 1200Mbps, MIMO 2x2 2.4G, IEEE 802.11b/g/n, 300Mbps 5G, IEEE 802.11a/n/ac, 867Mbps
	USB	1*USB 2.0
Dimension	205mm*136mm*27mm	
Weight	About 260g	

Power Supply	220V AC External power adapter, 12V/1.5A	
Power Consumption	<13W	
Working Environment	Temperature	-25°C to +55° 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
WIFI	Support 8 SSID Mixed mode Support No-auth, WEP, WPA-PSK and WPA2-PSK function with AES, TKIP encryption

OAM	<p>Support OMCI (the embedded operations channel) interface as defined by ITU-T G.984.4 and G.983.2</p> <p>Support TR069</p> <p>Provisioning all kinds of services including Ethernet, WLAN and VoIP, etc. by subset of TR-098 and TR-104</p> <p>Alarming and AVC report, performance monitoring</p> <p>Remotely software image download over OMCI, as well as activation and rebooting</p> <p>Hold two software sets with software image integrity checking and automatic rollback</p>
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4 Ordering Information

Model	Product Description
M2-4050	GPON ONT, 4GE, 1USB, WIFI5, plastic shell, external power adapter