WUHAN YANGTZE OPTICAL TECHNOLOGIES CO.,LTD.

Opticalink M2-0100G
XPON ONT
Product Introduction

Version:V1.0

1 Overview

Integrated with powerful interoperability and low cost, xPON M2-0100G series ONT provide triple-play services to the subscribers in FTTx application. Equipped with EPON standard of IEEE802.3-2008 and GPON standard of ITU-TG.984.X, M2-0100G series ONT support the high-speed internet access service.

2 Hardware Specification

Specification	M2-0100G	
PON Interface	Rate	GPON (Default): Up 1.244Gbps, Down 2.488Gbps EPON (Manually switched): Up 1.25Gbps, Down 1.25Gbps,
	Optical output rate	+0~+4dBm
	Receiving sensitivity	-27dBm
	Receiving saturability	-3dBm(EPON) OR -8dBm(GPON)
Service Interface	PON interface	1
	Data interface	1*10/100/1000Base-T
Chipset	ZX 125	
Dimension	78mm(L)*74mm(W)*21mm(H)	
Weight	65g	
Power Supply	External power adapter, 12V/0.5A	
Power Consumption	≤4W	
Working Environment	Temperature	0ºC to +40º C

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	Humidity	5% to 95%　(no condensing)

3 Software Feature

Feature	M2-0100G
XPON Feature	● Compliant with ITU-T G.984 GPON standard or IEEE802.3-2008 EPON standard ● FEC (Forward Error Correction) in both upstream and downstream ● Dynamic bandwidth status report ● 802.1p mapper for upstream ● QoS scheduling based on SP or WRR between GEM port and T-CONT ● Downstream multicast GEM port and broadcast GEM port ● Support Dynamic Bandwidth Allocation (DBA)
Ethernet Feature	● Support Auto-speed and MDI/MDIX auto detection ● Internal L2 switch ● Advanced data processing function, such as VLAN label processing, flow classification and packet filtering.
L3 Feature	● Support for IPv4 ● Support for DHCP/PPPOE/static IP ● Support Static routing ● Support for NAT
OAM Feature	● Supports CTC OAM 2.0 and 2.1 ● Support for ITUT984. x OMCI ● Support for WEB ● Support for TELNET ● Support for CLI

4 Ordering Information

Model	Product Description
M2-0100G	xPON ONT 1GE, plastic shell, external power adapter