Optronix OP801GW GPON ONU

1. Product Overview

By introducing latest fiber GPON access technology, The Optronix OP801GW GPON ONU brings carrier class high-end networking solution for advanced triple play services. It compliant with ITU-T G.984 standard, wireless for combined connection speeds of up to 300 Mbps on 11n 2.4 GHz, Layer 2/3, OP801GW WIFI GPON ONU support the comprehensive triple-play services, including data, video (IPTV or VoD), and high-speed internet access service.

Figure : Optronix OP801GW

2. Product Specifications

GPON Interface	
Rate	Upsteam: 1.244Gbps Downsteam: 2.488Gbps
Interface standard	ITU-T G.984.2/ITU-T G.984.3/ITU-TG.988 Class B+
Launch power	Min: 0dBm Max: +5dBm
sensitivity	-27dBm
Input Power Overload	-8 dBm
Service Interface	
GPON Interface	1 GPON Port
Data Interface	1 GE
WIFI Interface	IEEE 802.11 n/g/b wireless LAN
Antenna Type	1 external antennas +1 internal antennas

Physical specifications	
Dimensions	118mm×85mm×26mm（L×W×H）
Weight	0.25KG
Power Supply and Consumption	
Power Adaptor	Input: 100 to 240 V AC, 50/60 Hz; Output: 12 V, 0.5A
Consumption	≤5W
Environmental conditions	
Storage	temperature -20 to 70°C, rel. humidity 10–90% (non-condensing)
Operation	temperature 0 to 45°C, rel. humidity 10–90% (non-condensing)

3.Software Feature Support on OP801GW

Feature	OP801GW
GPON Feature	Compliant with ITU-T G.984 GPON standard
	FEC (Forward Error Correction) in both upstream and downstream
	QoS scheduling based on SP or WRR between GEM port and T-CONT
	Downstream multicast GEM port and broadcast GEM port
Ethernet Feature	Support Auto-speed and MDI/MDIX auto detection
	Internal L2 switch
	Advanced data processing function,Such as VLAN label processing, flow classification
Gateway Feature	WAN support Router and Bridge mode
	Router mode supports PPPoE/DHCP/ static IP
	WAN support Internet、VoIP、IPTV、TR069
	LAN supports DHCP and static IP
	Support NAT and NAPT
WIFI Feature	300 Mbps on 2.4 GHz
	IEEE 802.11 ac/n/g/b wireless LAN
	2.4 GHz band: 2400 - 2483.5 MHz
	WEP、WPA-PSK、WPA2-PSK and other encryption
OAM Feature	Standard OMCI (the embedded operations channel)compliant with ITU-T G.988
	Compliant with TR-069 standard
	Compliant with TR-098、TR-140 terminal integrated management interface
	Alarm reporting, performance monitoring