

Device Parameters

Dimensions (HxWxD): external antenna and pads)
30 mm x 199 mm x 135 mm (without external antenna and pads)
Weight: About 300 g
Operating temperature: 0°C to + 40°C
Operating humidity: 5% RH to 95% RH (non-condensing)
Power adapter input: 100-240 V AC, 50/60 Hz
System powersupply: 11-14 V DC, 1 A
Static power consumption: 6 W
Max. power consumption: 12 W
NNI: GPON
UNI: 1POTS+1GE+3FE+CATV+1USB+Wi-Fi 5dBi
Optical connector: SC/APC
Indicators: POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV
Installation mode: On the desk, or on the wall
Compliance certification: CE/WiFi

Interface Parameters

GPON PORT

- *Class B+
- *Receiver sensitivity: -27 dBm
- *Overload opticalpower: -8 dBm
- *Wavelengths: US 1310nm, DS 1490nm
- *Wavelength blockingfilter (WBF) of G.984.5
- *Flexible mappingbetween GEM Port and TCONT
- *GPON: consistent with the SN or password authentication definedin G.984.3
- *Bi-directional FEC
- *SR-DBA and NSR-DBA
- *Type B (single-homing&dual-homing)

ETHERNET PORT

- *Ethernet port-based VLAN tags and tag removal
- *1:1 VLAN, N:1 VLAN, or VLAN transparent transmission
- *QinQ VLAN
- *Limit on thenumber of learned MAC addresses
- *MAC address learning
- *Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s

CATV PORT

- *Frequency Range 54 MHz to 870 MHz
- *Output resistance 75 ohms
- *Received averageoptical power: -8dBm to+2dBm
- *RF outputpower: ≥ 17 dBmV/Ch
(With RF source analog channel power input = 20dBmV/ch, and 40 analog / 63 digital channels (4.3% OMI analog, 2.15 % digital))



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POTS PORT

- *Maximum REN: 4
- *G.711A/μ, G.729a/b, and G.722 encoding/decoding
- *T.30/T.38/G.711 fax mode
- *DTMF
- *Emergency calls (with the SIP protocol)

USB PORT

- *USB2.0
- *FTP-based networkstorage
- *File/Print sharingbased on SAMBA
- *DLNA function

WLAN

- *IEEE 802.11 b/g/n
- *2 x 2 MIMO
- *Antenna gain: 5dBi
- *WMM/Multiple SSIDs/WPS
- *Air interface rate:300 Mbit/s

Product Function

Smart interconnection

- *Smart Wi-Fi coverage
- *SIP/H.248 auto-negotiation
- *Any port any service
- *Parental control
- *L2/L3(IPv4) forwarding: 1G uplink, 2G downlink

Smart service

- *Scheduled Wi-Fi shutdown
- *Smart Wi-Fi sharing:
Portal/802.1x authentication
SoftGRE-based sharing
- *Association of one account with two POTS ports

Smart O&M

- *IPTV video qualitydiagnosis
- *eMDI
- *Rogue ONT detection and isolation from the OLT
- *Call emulation, and circuit test and loop-line test
- *PPPoE/DHCP simulation testing
- *WLAN emulation



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Layer 3 Features

- *PPPoE/Static IP/DHCP
- *NAT/NAPT
- *Port forwarding
- *ALG, UPnP
- *DDNS/DNS server/DNS client
- *IPv6/IPv4 dual stack, and DS-Lite
- *Static/Default routes
- *Multiple services on one WAN port

Multicast

- *IGMP v2/v3 proxy/snooping
- *MLD v1/v2 snooping

QoS

- *Ethernet port rate limitation
- *802.1p priority
- *SP/WRR/SP+WRR
- *Broadcast packet rate limitation

Common O&M

- *OMCI/Web UI/TR069
- *Variable-length OMCI messages
- *Dual-system software backup and rollback

Security

- *SPI firewall
- *Filtering based on MAC/IP/URL addresses

Power Saving

- *Indicator power saving
- *COC V5



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