



Smart O&M

Smart Service

Smart Interconnection

HG6145D2



Physical Parameters

Dimensions (HxWxD)	36 mm × 171 mm × 123 mm	System Power Supply	DC 12V, 1A
Weight	About 280 g	Power Adapter input	AC 100~240V, 50~60Hz
Operating Temperature	-5°C~45°C	Power Consumption	Typical:9W; Max:11W
Storage Temperature	-20°C~70°C	Ports	4*GE+1*POTS+WiFi5
Operating Humidity	10%~95%(no condensation))	Indicators	Power/PON/LOS/Internet/LAN/Phone/WLAN/WPS

Interfaces Parameters

GPON Port	Supports GEM encapsulation & Ethernet over GEM
	Flexible Mapping between GEM and TCONT
	Bi-direction FEC and downlink FEC performance statistics
	SR-DBA or NSR-DBA, DBA piggy-back DBRu Mode 0
	Multiple encryption modes: unicast data channel, AES-128, OMCI channel, negotiation with OLT.
	Multiple Authentication modes: SN, Password, SN + Password and LOID
Ethernet Port	Supports the IEEE 802.1Q VLAN standard Ethernet port-based VLAN tags and tag removal
	1:1VLAN or VLAN transparent transmission, up to 4k VLAN
	Supports learning up to 1k MAC addresses
	Supports Layer 2 / Layer 3 wire-speed forwarding
	Supports bandwidth control granularity of 64 kbit/s.
POTS Port	Supports SIP protocol
	G.711A/u, G.729a/b and G.722 encoding/decoding
	DTMF detection and RFC 2833 for transmitting / receiving DTMF
WiFi Port	802.11 b/g/n/a/ac
	Dual band: 2.4G(2T2R) and 5G(2T2R)
	8 SSIDs(4+4)
	Supports Open System, Shared key, WPA, WPA2, WPA-PSK, WPA2-PSK and WPS authentication

Product Function

Smart O&M

OMCI/Web UI/TR069

Supports automatic service provisioning, management and software upgrade remotely based on OMCI/TR-069

Supports delivering the XML configuration file via the TR-069

Supports alarm synchronization and performance statistics

Smart Service

Triple play service: HIS, IPTV, Voice

Powerful QoS:

- 802.1p Priority
- SP/WRR/SP+WRR

Flexible connection modes: wire(GE/POTS) + WiFi

Smart Interconnection

Ethernet Port 10M/100M/1000M auto-negotiation

Easy to connect to ACS by TR069

L3 Features

IPv4/IPv6 dual stack, and DS-Lite

PPPoE/Static/DHCP

NAT/NAPT

DDNS/DNS Relay

Static/default routes

Security

Anti-DoS attack

Firewall and ACL function

Filtering based on MAC/IP/URL address

Multicast

IGMP v2/v3 snooping

MLD v1/v2 snooping

Up to 1024 multicast groups