

HG6045D1

Smart O&M

Smart Interconnection | Smart Service



Overview

HG6045D1 is a GPON AC1200 dual-band Wi-Fi 5 gateway for home. Downlink has 2 GE ports. It can meet the needs of wired and wireless internet access and IPTV function. HG6145D also support smart and remote O&M, realizing simple deployment and management.



Physical Parameters

Type	Instruction
Dimensions	42 mm × 135mm × 185 mm
Weight	315g approximately
Operating Temperature	-5°C~45°C
Operating Humidity	10%~90%(non-condensing)
System Power Supply	DC 12V, 1.0A
Power Adapter input	AC 100~240V, 50~60Hz
Static Power Consumption	6W
Maximum Power Consumption	11W
Memory	256M Flash, 512 RAM
Ports	2*GE+WiFi
Indicators	Power/PON/LOS/Internet/WLAN/WPS/LAN

Interfaces Parameters

Type	Instruction
GPON Port	Class B+
	Receiver sensitivity: -28dBm
	Overload optical power: -8dbm
	Wavelengths: US 1310nm, DS 1490nm
	ITU-T G.984
	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
Type	Instruction
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 4095 VLANs
	Supports learning up to 1k MAC addresses
	Supports Layer 2 / Layer 3 wire-speed forwarding
	Supports bandwidth control granularity of 64 kbit/s
Type	Instruction
Wi-Fi Port	IEEE 802.11 b/g/n (2.4G)
	IEEE 802.11 a/n/ac (5G)
	Dual band: 2.4G(2*2MIMO) and 5G(2*2MIMO)
	8 SSIDs(4+4)
	Antenna gain: 5 dBi
	Air interface rate: :300 Mbit/s (2.4G), 867 Mbit/s(5G)
	Beamforming
	Bandsteering
	Supports Open System, Shared Key, WPA, WPA2, WPA3, WPA-PSK, WPA2-PSK, WPA3-PSK and WPS Authentication
	Supports automatic selection and manual configuration of channels

Product Function

Type	Instruction	
Smart O&M	OMCI/Web UI	
	Supports automatic service provisioning, management and software upgrade remotely based on OMCI	
	Supports alarm synchronization and performance statistics	

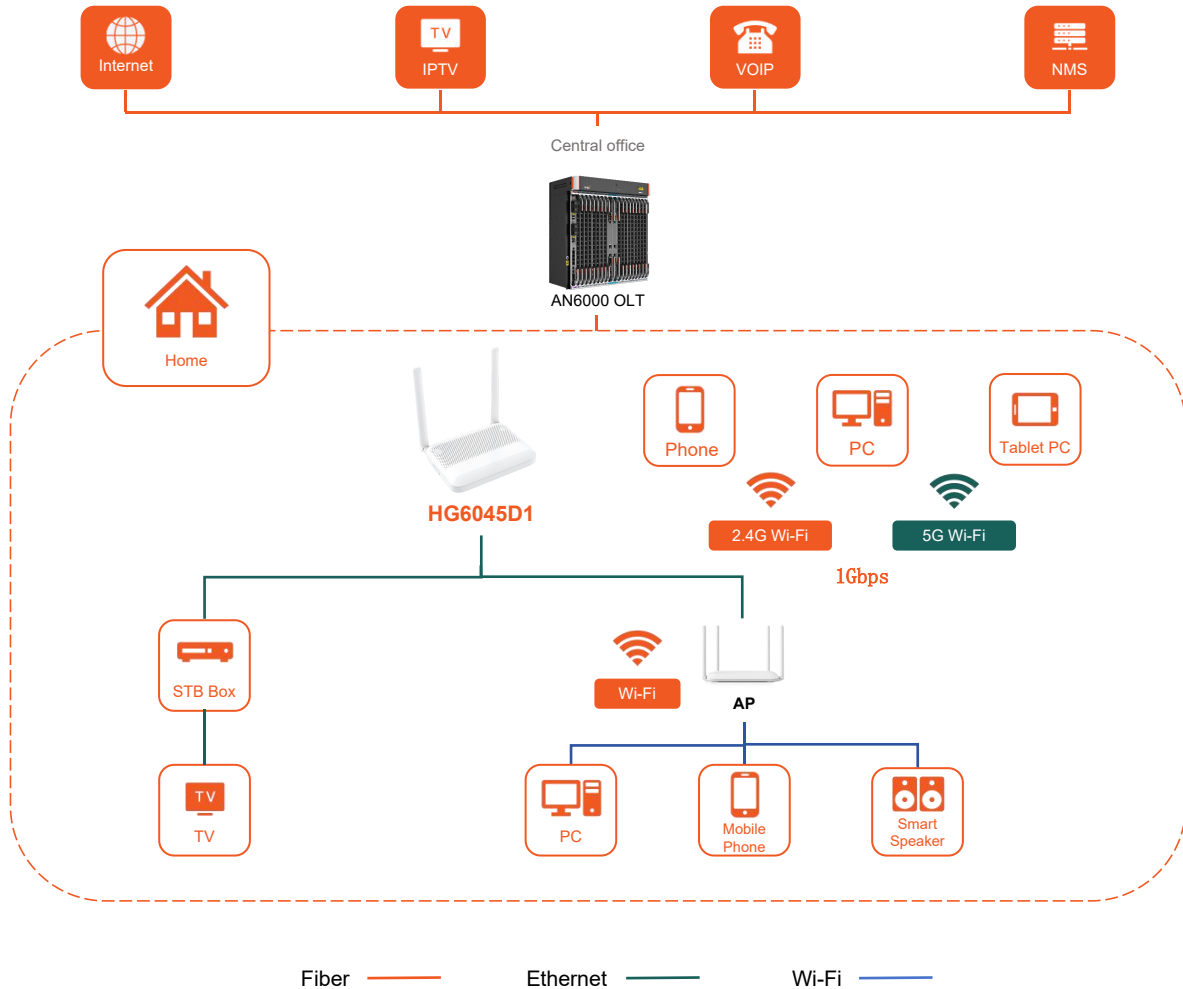
Type	Instruction	
Smart Service	Triple play service: HIS, IPTV	
	Flexible connection modes: Wire+ WiFi	
	Powerful QoS:	• 802.1p Priority • SP/WRR/SP+WRR

Type	Instruction	
L3 Features	IPv4/IPv6 dual stack, and DS-Lite	
	PPPoE/Static/DHCP	
	NAT/NAPT	
	DDNS/DNS Relay	

Type	Instruction	
Smart Interconnection	IPv4/IPv6 auto-negotiation	
	Easy to connect to other vendors' OLT	

Type	Instruction	Type	Instruction
Security	Anti-DoS attack	Multicast	IGMP v2/v3 snooping
	Firewall and ACL function		MLD v1/v2 snooping
	Filtering based on MAC/IP/URL address		Up to 1024 multicast groups

Networking Topology



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