HG6022HT

High Bandwidth | Smart O&M

Smart Interconnection | Smart Service

Overview

HG6022HT is a GPON BE3600 dual-band Wi-Fi 7 gateway for home. Downlink has 1 2.5GE ports, 1 GE port. It can meet the needs of over gigabit wired and wireless internet access and other functions. HG6022HT also support smart and remote O&M, realizing simple deployment and management.

Physical Parameters

Type	Instruction
Dimensions	170mm × 127.4mm × 35mm
Weight	226g
Operating Temperature	0℃~45℃
Storage Temperature	-20℃~70℃
Operating Humidity	5%~95%(no condensation)
System Power Supply	DC 12V, 1.0A
Power Adapter input	AC 100~240V, 50~60Hz
Power Consumption	≤ 12W
Ports	GPON+1*2.5GE+1*GE+Wi-Fi 7 BE3600
Indicators	Represents Uplink, Internet and Mesh Status
Memory	256MB Flash, 512MB RAM

Interfaces Parameters

Type	Instruction
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
	Class B+
	Receiver sensitivity: -28dBm
	Overload optical power: -8dbm
	Wavelengths: US 1310nm, DS 1490nm
	Supports ITU-T G.984 standard

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
	Supports learning 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/ax/be (2.4G)
	IEEE 802.11 a/n/ac/ax/be (5G)
	Dual band: 2.4G(2*2MIMO) and 5G(2*2MIMO), 5G band 160MHz bandwidth
	8 SSIDs(4+4)
	Supports Open System, Shared Key, WPA-PSK, WPA2- PSK, WPA3-SAE and WPS Authentication
	Supports automatic selection and manual configuration of channels
	Theoretical air interface rate: : 688 Mbit/s (2.4G), 2882 Mbit/s(5G)

Product Function

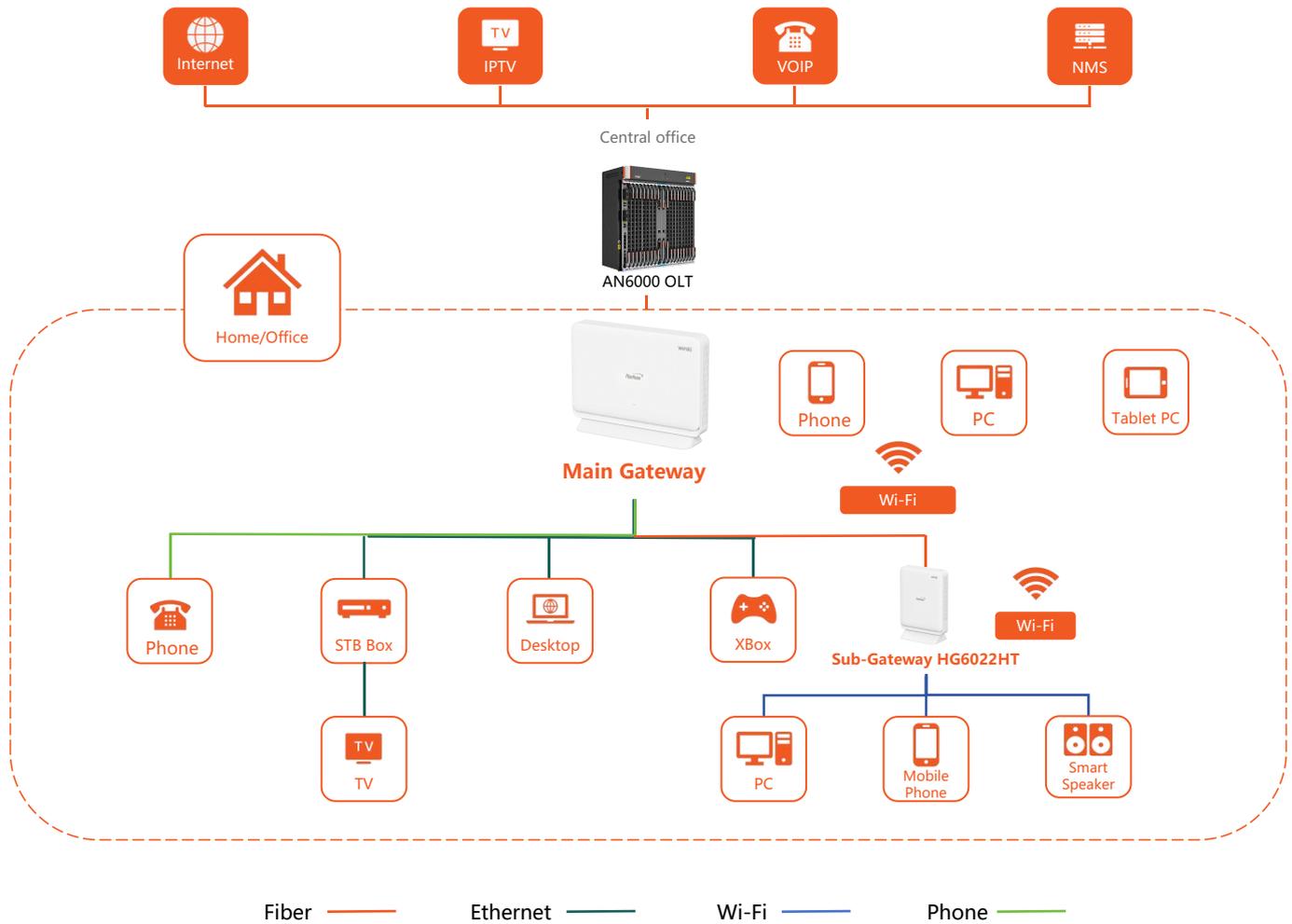| Type	Instruction
Smart O&M	Web UI/TR-069
	Supports automatic service provisioning, management and software upgrade remotely based on TR-069
	Supports delivering the XML configuration file via the TR-069
	Supports alarm synchronization and performance statistics

Type	Instruction	
Smart Service	Flexible connection modes: Wire(GE/2.5GE) + Wi-Fi	
	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
	Static/default routes

Type	Instruction
Smart Interconnection	GE Port 100M/1000M auto-negotiation; 2.5GE Port 1000M/2.5GE auto-negotiation
	IPv4/IPv6 auto-negotiation
	Easy to connect to ACS by TR-069

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 256 multicast groups

Networking Topology

| Fiber | Ethernet | Wi-Fi | Phone |