HG6010A

Smart O&M

Smart Interconnection | Smart Service

Overview

HG6010A is a GPON gateway for home. Downlink has 1 GE port. It can meet the needs of wired internet access. HG6010A also support smart and remote O&M, realizing simple deployment and management.

Physical Parameters

Type	Instruction
Dimensions (H*W*L)	90*90*28mm
Weight	About 120g
Operating Temperature	-5℃~45℃
Operating Humidity	10%~90%(non-condensing)
Ports	1GE
System Power Supply	DC 12V, 0.5A
Power Adapter input	AC 100~240V, 50~60Hz
Static Power Consumption	1.8W
Maximum Power Consumption	2.2W
Memory	256MB Flash, 256MB RAM
Indicators	Power/PON/LOS/LAN/Internet

Interfaces Parameters

Type	Instruction
GPON Port	Comply with GPON ITU-T G.984.X protocol
	Class B+
	Receiver sensitivity: -28dBm
	Overload optical power: -8dbm
	Wavelengths: US 1310nm, DS 1490nm
	Supports ITU-T G.984 standard
	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	Complies with the IEEE 802.3 standard
	Configuring the Ethernet interface rate (10/100/1000 Mbit/s)
	Configuring the working mode, and MDI/MDIX auto-negotiation mode
	Loopback detection at the subscriber side
	Supports the IEEE 802.1Q VLAN standard
	Ethernet port-based VLAN tags and tag removal
	1:1 VLAN, N:1 VLAN or VLAN transparent transmission, up to 4k VLAN
	Layer 2 / Layer 3 wire-speed forwarding

Product Function

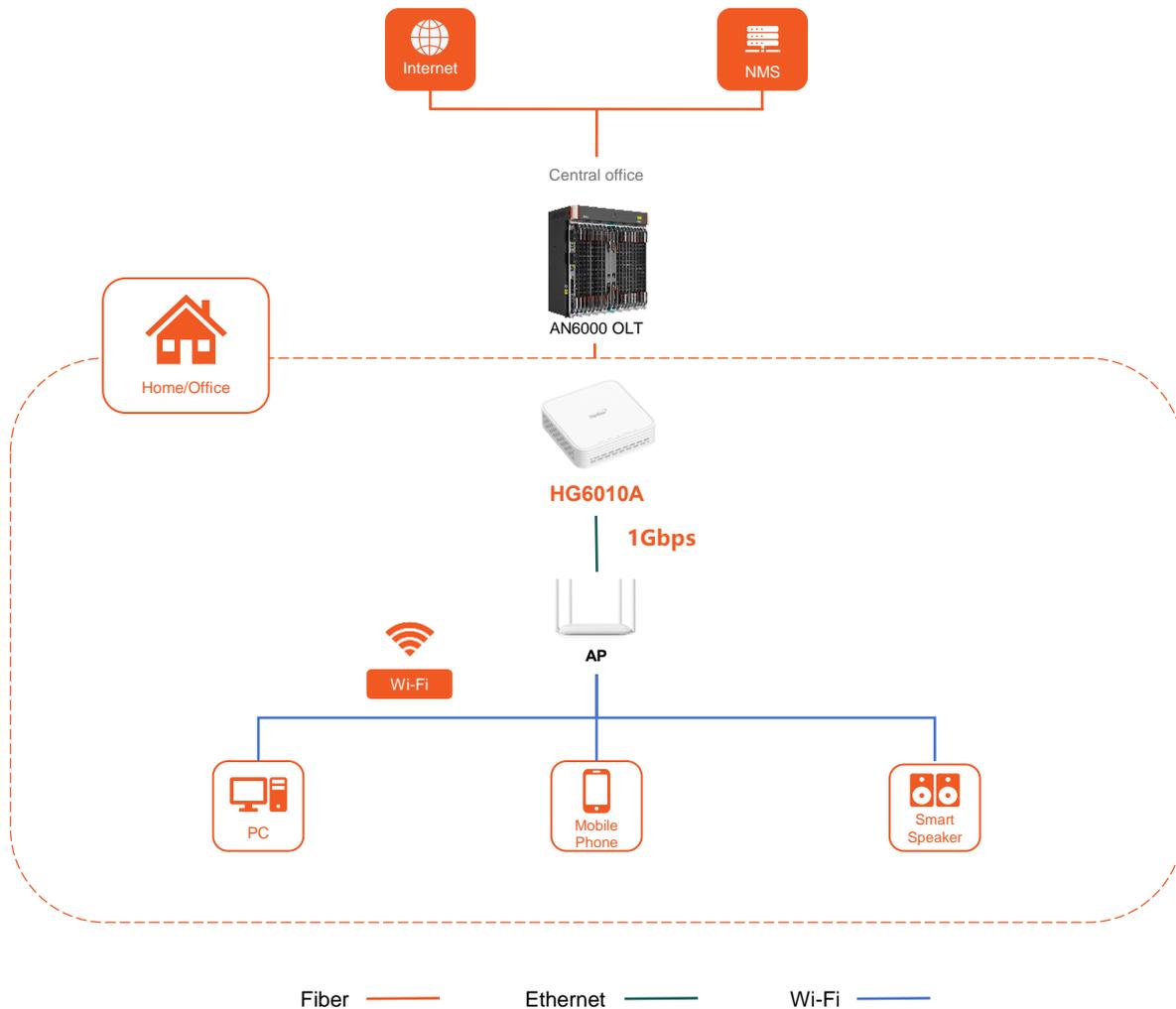| Type	Instruction
Smart O&M	OMCI/Web UI/TR-069
	PPPoE/DHCP simulation testing
	Supports automatic service provisioning, management and software upgrade remotely based on OMCI/TR-069
	Supports delivering the XML configuration file via the TR-069, alarm synchronization and performance statistics

Type	Instruction	
Smart Service	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	IPv4/IPv6 auto-negotiation
	Easy to connect to ACS by TR-069
	Easy to connect to other venders'OLT

Type	Instruction
Security	Anti-DoS attack
	Firewall and ACL function
	Filtering based on MAC/IP/URL address

Networking Topology

Internet   NMS

Central office

AN6000 OLT

Home/Office

HG6010A

1Gbps

AP

Wi-Fi

PC   Mobile Phone   Smart Speaker

Fiber ———   Ethernet ———   Wi-Fi ———

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