



Smart O&M

Smart Service

Smart Interconnection

# HG6543C



## Physical Parameters

|                       |                          |                           |   |
|-----------------------|--------------------------|---------------------------|---|
| Dimensions (HxWxD)    | (32 * 156 * 115) mm      | System Power Supply       | DC 12V, 1A                                    |
| Weight                | 230 g                    | Power Adapter input       | AC 100~240V, 50~60Hz                          |
| Operating Temperature | -5°C~45°C                | Static Power Consumption  | 7W  |
| Operating Humidity    | 10%~90%(non-condensing)  | Maximum Power Consumption | 10W   |
| Ports                 | 2GE+2FE+1POTS+WiFi+1 USB | Indicators                | Power/PON/LOS/Internet/WLAN/WPS/USB/LAN/Phone |

## Interfaces Parameters

|                      |   |
|----------------------|---|
| <b>GPON Port</b>     | 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                           |
| <b>Ethernet Port</b> | Supports the IEEE 802.1Q VLAN standard Ethernet port-based VLAN tags and tag removal          |
|                      | 1:1VLAN, N:1 VLAN 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.  |
| <b>POTS Port</b>     | Supports H.248 and SIP  |
|                      | G.711A/u, G.729a/b and G.722 encoding/decoding  |
|                      | DTMF detection and RFC 2833 for transmitting / receiving DTMF                                 |
| <b>WiFi Port</b>     | 802.11 b/g/n  |
|                      | Dual band: 2.4G(2*2MIMO)  |
|                      | 4 SSIDs   |
|                      | Supports Open System, Shared key, WPA, WPA2, WPA-PSK, WPA2-PSK and WPS authentication         |
|                      | Supports automatic selection and manual configuration of channels                             |

## Product Function

|   |                             |
|---|-----------------------------|
| <b>Smart O&amp;M</b>  |                             |
| OMCI/Web UI/TR069   |                             |
| 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 |                             |
| <b>Smart Service</b>  |                             |
| Triple play service: HIS, IPTV, Voice   |                             |
| Powerful QoS: <ul style="list-style-type: none"> <li>● 802.1p Priority</li> <li>● SP/WRR/SP+WRR</li> </ul>      |                             |
| Flexible connection modes: wire(GE/FE/POTS) + WiFi  |                             |
| <b>Smart Interconnection</b>  |                             |
| SIP/H.248 auto-negotiation  |                             |
| IPv4/IPv6 auto-negotiation  |                             |
| Easy to connect to other vendors' OLT   |                             |
| Easy to connect to ACS by TR069   |                             |
| <b>L3 Features</b>  |                             |
| IPv4/IPv6 dual stack, and DS-Lite   |                             |
| PPPoE/Static/DHCP   |                             |
| NAT/NAPT  |                             |
| DDNS/DNS Relay  |                             |
| Static/default routes   |                             |
| <b>Security</b>   | <b>Multicast</b>            |
| Anti-DoS attack   | IGMP v2/v3 snooping         |
| Firewall and ACL function   | MLD v1/v2 snooping          |
| Filtering based on MAC/IP/URL address   | Up to 1024 multicast groups |