



Smart O&M

Smart Service

Smart Interconnection

# HG6145F



## Physical Parameters

Dimensions (H x W x D)	41mm x 204mm x 149mm	System Power Supply	DC 12V, 1.5A
Weight	About 350 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	17W
Ports	4*GE+1*POTS+WiFi+2*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>Wi-Fi Port</b>	IEEE 802.11 a/b/g/n/ac/ax
	Dual band: 2.4G(2*2 MIMO) and 5G(2*2 MIMO)
	8 SSIDs (4+4)
	Supports Open System, Shared key, WPA, WPA2, WPA-PSK, WPA2-PSK and WPS authentication
	Supports automatic selection and manual configuration of channels
<b>USB</b>	2*USB2.0
	FTP-based networks storage

## 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/POTS) + Wi-Fi	
<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 256 multicast groups