



Smart O&M

Smart Service

Smart Interconnection

HG6143D



Physical Parameters

Dimensions (HxWxD)	(36.8 * 204 * 149) mm	System Power Supply	DC 12V, 1.5A
Weight	339 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	4GE+1POTS+WiFi+1USB	Indicators	Power/PON/LOS/Internet/WLAN/WPS/USB/LAN/Phone

Interfaces Parameters

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
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 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.
POTS Port	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
WiFi Port	802.11 b/g/n/a/ac
	Dual band: 2.4G(2*2MIMO) and 5G(2*2MIMO)
	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
USB	Compliant with the USB 2.0 standard
	FTP-based network storage

Product Function

Smart O&M	
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	
Smart Service	
Triple play service: HIS, IPTV, Voice	
Powerful QoS: <ul style="list-style-type: none"> ● 802.1p Priority ● SP/WRR/SP+WRR 	
Flexible connection modes: wire(GE/POTS) + WiFi	
Smart Interconnection	
SIP/H.248 auto-negotiation	
IPv4/IPv6 auto-negotiation	
Easy to connect to other vendors' OLT	
Easy to connect to ACS by TR069	
L3 Features	
IPv4/IPv6 dual stack, and DS-Lite	
PPPoE/Static/DHCP	
NAT/NAPT	
DDNS/DNS Relay	
Static/default routes	
Security	Multicast
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