



High Bandwidth

Smart O&M

Smart Interconnection

Smart Service

HG6144F



Physical Parameters

Dimensions (HxWxD)	41 mm × 161 mm × 223 mm	System Power Supply	DC 12V, 2.0A
Weight	About 458 g	Power Adapter input	AC 100~240V, 50~60Hz
Operating Temperature	-5°C~45°C	Power Consumption	Typical:12W; Max:16W
Storage Temperature	-20°C~70°C	Ports	GPON+4*GE+1*POTS+WiFi+1*USB2.0+1*USB3.0+CATV
Operating Humidity	10%~95%(no condensation))	Indicators	Power/PON/LOS/Internet/Phone/USB/LAN/WLAN/WPS/CATV

Interfaces Parameters

Product Function

GPON Port	Supports GEM encapsulation & Ethernet over GEM	Smart O&M	
	Flexible mapping between GEM and TCONT	OMCI/Web UI/TR069	
	Bi-direction FEC and downlink FEC performance statistics	Supports automatic service provisioning, management and software upgrade remotely based on OMCI/TR-069	
	SR-DBA or NSR-DBA, DBA piggy-back DBRu Mode 0	Supports delivering the XML configuration file via the TR-069	
	Multiple encryption modes: unicast data channel, AES-128, OMCI channel, negotiation with OLT.	Supports alarm synchronization and performance statistics	
	Multiple authentication modes: SN, Password, SN + Password and LOID	Smart Service	
Ethernet Port	Supports the IEEE 802.1Q VLAN standard Ethernet port-based VLAN tags and tag removal	Triple play service: HIS, IPTV, Voice	
	1:1VLAN or VLAN transparent transmission, up to 4k VLAN	Powerful QoS: <ul style="list-style-type: none"> ● 802.1p Priority ● SP/WRR/SP+WRR 	
	Supports learning up to 1k MAC addresses	Flexible connection modes: wire(GE/POTS) + WiFi	
	Supports Layer 2 / Layer 3 wire-speed forwarding	Smart Interconnection	
	Supports bandwidth control granularity of 64 kbit/s.	Ethernet Port 10M/100M/1000M auto-negotiation	
	Supports SIP protocol	IPv4/IPv6 auto-negotiation	
POTS Port	G.711A/U, G.729A/B and G.722 encoding/decoding	Easy to connect to ACS by TR069	
	DTMF detection and RFC 2833 for transmitting / receiving DTMF	L3 Features	
	802.11 b/g/n/a/ac/ax	IPv4/IPv6 dual stack, and DS-Lite	
WiFi Port	Dual band: 2.4G(2*2MIMO) and 5G(2*2MIMO), 5G band 160MHz bandwidth	PPPoE/Static/DHCP	
	8 SSIDs(4+4)	NAT/NAPT	
	Supports Open System, Shared Key, WPA, WPA2, WPA-PSK, WPA2-PSK and WPS Authentication	DDNS/DNS Relay	
	Supports automatic selection and manual configuration of channels	Static/default routes	
	Compliant with the USB 2.0 / USB 3.0 standard	Security	
USB	FTP-based network storage	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 address	