



Smart O&M

Smart Service

Smart Interconnection

AN5646Q



Physical Parameters

Dimensions (HxWxD)	(35 * 309 * 213) mm	System Power Supply	DC 12V, 2.5A
Weight	1500 g	Power Adapter input	AC 100~240V, 50~60Hz
Operating Temperature	-5°C~45°C	Static Power Consumption	10W
Operating Humidity	10%~90%(non-condensing)	Maximum Power Consumption	18W
Ports	4GE+2POTS+WiFi(2.4G 3*3 MIMO, 5G 4*4 MIMO)+2 USB	Indicators	Power/PON/LOS/LAN/VOIP/Phone/USB/WiFi/WPS

Interfaces Parameters

XGPON Port	Supports XGEM encapsulation & Ethernet over XGEM
	Flexible Mapping between XGEM ports 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, N:1 VLAN or VLAN transparent transmission, up to 4k VLAN
	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 a/b/g/n/ac
	2.4GHz frequency & 5GHz frequency
	2.4G 4 SSIDs & 5G 4 SSIDs
	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 1.1/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 OMCI, alarm synchronization and performance statistics	
Smart Service	
Triple play service: HIS, IPTV, Voice	
Powerful QoS: <ul style="list-style-type: none"> ● 802.1p Priority ● PQ/WRR/PQ+WRR 	
Flexible connection modes: wire(GE/POTS) + WiFi	
Smart Interconnection	
SIP/H.248	
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 256 multicast groups