ZTE ZXHN F680 GPON ONT

4GE+2POTS+1USB+

Content

Introduction

The ZXHN F680 is an ITU-T G.984 and ITU-T G.988 compliant optical network terminal (ONT) that is designed for high-end home users. It is well suited to fiber to the home (FTTH) scenarios and supports desktop mounting. At the network side, it supports 2.488Gbps downlink and 1.244 Gbps uplink. At the user side, it provides four GE ports, two POTS ports, one USB 2.0 port, and 2x2 802.11n2.4GHz & 4x4 802.11ac5GHz concurrent.

The ZXHN F680 is an ONT designed for FTTH application scenarios. By using the ZXHN F680, the home users can access data, video(IPTV) and voice(VoIP) services, and enjoy high-speed Internet access

Specifications:

GPON Interface(NNI) : 1 x GPON interface	
Optical port	ITU-T G.984 and ITU-T G.988 compatible, Flexible mapping bewteen GEM Port and TCONT
Optical connector	SC/APC
Receiving Sensitivity	-28 dBm
Overload Optical Power	-8 dBm
Transmitting Optical Power	1~5 dBm
Transmit Rate	2.488Gbps downstream; 1.244Gbps upstream
Wavelength	Receiving (DOWN): 1490nm; Transmitting(up): 1310nm
Authentication	N, Password, and SN+ Password authentication

User Network Interface (UNI) : 4GE+1POTS+1USB+2.4G&5G WIFI	
Ethernet Port	IEEE 802.1q VLAN with the VLAN ID from 1 to 4049
	VLAN tagging/untagging on the user port
	VLAN overwrite function on the user port
	1:1 mapping between the user port (physical port or logical port) and VLAN
	VLAN-based data forwarding
	VLAN-based packet filtering
	VLAN untagged mode, tagged mode and double tagged mode
	VLAN tag
	MAC address learning
	Auto adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
POTS Port	SIP/H.248
	G.711A/U, G.729 AND G.722 encoding/decoding
	T.30/T.38/G.711 fax mode
	DTMF
	Emergency calls (with the SIP/H.248 protocol)
WLAN	IEEE 802.11 b/g/n (2.4G)
	IEEE 802.11 a/n/ac (5G)
	Antenna gain: 5 dbi, six external antenna
	2.4G&5G concurrent
	Air interface rate:300 Mbit/s(2.4G); 1734 Mbit/s(5G)
USB port	USB2.0, USB backup

Product Function		
Layer 3 features	Bridging, routing, or hybrid mode (bridging and routing)	
	NAT	
	PPPoE client	
	DNS client/relay	
	IPv6/IPv4 dual stack	
	ALG function: implements H.323, SIP, FTP, TFTP, PPTP, L2TP, IPSec	
	Static/Dynamic/Default routes	
	Multiple services on one WAN port	
Multicast	IGMP v2/v3 proxy/snooping	
	MLD v1/v2/v3 snooping	
	256 multicast groups per LAN port	
	Fast leave time-the interval,from when a user sends an IGMP leaving message to when the ONU stop the multicast data packet, is less than 20ms	
	Support MVLAN	
Qos	802.1P/DSCP priority	
	Ingress rate limiting	
	Egress shaping	
	Traffic rate limiting based on the user port, traffic and GEM port	
Security	Traffic filtering based on UNI, VLAN ID, 802.1P, UNI+802.1P and VLAN + 802.1P	
	Multicast, unicast and broadcast flow attack protection	
	MAC address limiting based on each UNI or a single ONT	
	Broadcast packet rate limiting	
	Anti-Dos attack	
	MAC filtering	
Common O&M	OMCI/TR069/WEB	
	Management via the OLT on the EMS	
	Built-in capability for remote management with standards compliance, including the full range of FCAPS functions like supervision, analysis, and maintenance	
	UNI loopback detection	
	Remote software download, activation, and reboot via the OMCI	

Physical Performance	
Dimensions(H x W x D)	22*31.5*3.5cm
G.Weight	20kg/ctn
Packing	20pcs/ctn
Working temperature	0 ℃ ~40 ℃
Power adapter input	100-240 V AC, 50 / 60 HZ
System power supply	12V DC, 1.5A
Power consumption	<15W

For More Information

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