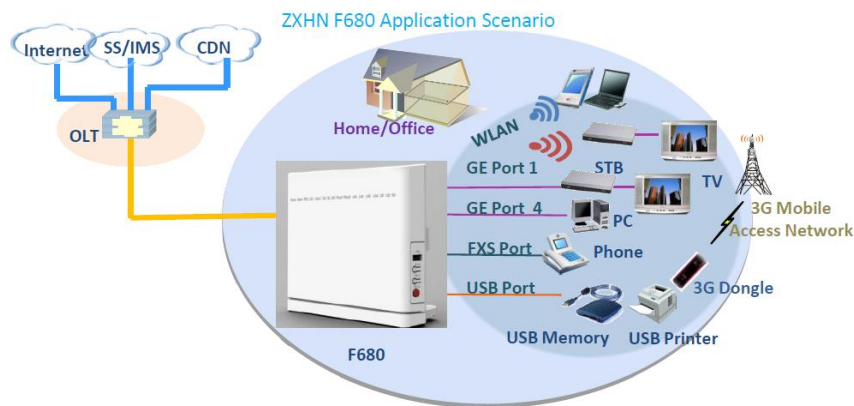


ZTE ZXHN F680

DUAL BAND CONCURRENT 11AC ADVANCED GPON GATEWAY



The F680 is a high-end home gateway in ZTE FTTH solution. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The F680 provides two POTS ports, four GE ports, one USB 2.0 port, one USB 3.0 port, and it supports 802.11b/g/n Wi-Fi @ 2.4 GHz (3x3) and 802.11a/n/ac Wi-Fi @ 5 GHz (3x3).



SPECIFICATIONS

GPON
ITU-T G.984.x/G.988 GPON standards
Class B+ optical module, Class 1 Laser
1.244 Gbps burst mode upstream, 2.488 Gbps downstream
Upstream 1310 nm, Downstream 1490 nm
WI-FI
Frequency: 2.4 GHz, 5 GHz
Wi-Fi EIRP: Max.200mw for each band
IEEE 802.11a/n/ac Wi-Fi @ 5 G (3x3)
IEEE 802.11b/g/n Wi-Fi @ 2.4 G (3x3)
WEP/WPA/WPA2 Security
Up to four broadcast/hidden SSIDs
USB
DLNA DMS
File/Printer sharing
USB backup/Restore configuration
3G dongle
VOIP
SIP (RFC3261)
Codec: G.711 (μ-law and A-law), G.723, G.729, G.722
RTP/RTCP(RFC 1890)
Echo cancellation
VAD/CNG
DTMF
T.38 FAX
Caller
Identification/Call
Waiting/Call Forwarding/Call
Transfer/Call Hold/3-way Conference

NETWORKING	
IPv4/IPv6 Dual Stack	
SNTP client	
NAT/ALG	
Static routing/Dynamic routing	
PPPoE client/passthrough	
DNS client/relay	
DHCP client/server	
IGMP and MLD snooping/proxy	
SECURITY	
Traffic filtering based on UNI port, VLAN ID, 802.1p, UNI+802.1p or VLAN+802.1p	
DoS attack defending	
Multiple VPN (IPSec, PPTP) passthrough	
MAC address filtering	
Broadcast/Unicast/Multicast attack protection	
Broadcast packet rate limit	
Dual image for firmware auto rollback	
QOS	
Flexible packet classification	
Up to eight queues	
SP/WRR/SP+WRR	
Ingress rate limit	
Egress shaping	
WMM (Wi-Fi Multi Media)	
MANAGEMENT	
TR-069 remote management	
OMCI management	
WEB GUI management	
Local built-in diagnostic function	
Logs and statistics	
Remote upgrade by HTTP	
HARDWARE CHARACTERISTICS	
WAN	one SC/APC connector for GPON
LAN	four RJ-45 ports for GE interface
FXS	two RJ-11 ports for VoIP
USB	one USB 2.0 host interface, one USB 3.0 host interface
Wi-Fi	802.11b/g/n (3x3), 11ac (3x3)
BATTERY	one RJ-11 port for UPS monitor
Button	WPS, Wi-Fi, Reset, Power ON/OFF
LED Status indicators	Power, Alarm, PON, LOS, Internet, 2.4G, 5G, WPS, Phone1, Phone2, LAN1, LAN2, LAN3, LAN4, USB1, USB2, BBU
ELECTRICAL CHARACTERISTICS	
Power input	12 V DC
Power consumption	less than 13 W
PHYSICAL CHARACTERISTICS	
Net weight	about 600 g
Dimensions (WxDxH)	220x35x155 mm
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)
Humidity	5 % ~ 95 % (non-condensing)
GPON	
ITU-T G.984.x/G.988 GPON standards	
Class B+ optical module, Class 1 Laser	
1.244 Gbps burst mode upstream, 2.488 Gbps downstream	
Upstream 1310 nm, Downstream 1490 nm	
CERTIFICATION	
CE certification	
Wi-Fi certification	

Note:

Not every listed feature will be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.