ZISA CORPORATION LIMITED

ZISA G800-AC
Hi-power G.fast VDSL

Description

The G800-AC is a high-speed Wireless VDSL IAD, which is an advanced all-in-one gateways incorporating an VDSL 17a Bonding/30A single line modem, 802.11b/g/n/ac wireless router in one unit, bringing high-speed wireless Internet connection to a home or office, It can provide the transmission of broadband data service, which are suitable for using in a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications.

Applications Diagram

- Network online gaming
- High Internet access sharing
- High rate broadband sharing
- Small enterprises application
- Home networking application

Parameters and Specifications

Parameter	Specification
System Spec	
Chipset	BCM63138 (30a Full back to 17a)
Wi-Fi	BCM4331(2.4G 3T3R WiFi)-High power (22dBm)

Parameter	Specification
11AC	BCM4360(5G 3T3R 11AC) –High power (22dBm)
VOIP	ZL88601
DDR	DDR3-SDRAM,4Gbit
Flash	16MB Nor/128 MB NAND
Interface	
External Connectors	● 1 x RJ11 interface for XDSL port ● 2 x RJ11 interface for FXS port ● 4 x RJ45 for Gigabit Ethernet LAN ● 1 x RJ45 for Gigabit Ethernet WAN ● 1 x Reset button for factory default settings ● 1 x 2.4G button for 2.4G WLAN and 2.4G WPS ● 1 x 5G 11ac button for 5G WLAN and 5G WPS ● 2 x USB3.0 Host port ● 1 x power jack ● 1 x power switch ● Antenna inner
Feature and Technical Spec	
G.fast Features	● ITU-T G.9700 ● ITU-T G.9701 ● Support G.fast with crosstalk cancellation (vectoring) in DS ● Support the full frequency band up to 106 MHz in G.fast
VDSL Features	● ITU-T G.993.2 VDSL2 Support 17a profile ● Support G.vector
ADSL Features	● T1.413i2, G.992.1 G.dmt, G.992.2, G.lite ● G.992.3 (G.bis/ADSL2) G.992.5 (ADSL2+) ● Annex L (Reach Extended ADSL2)
Wireless Features	● Compatible with IEEE 802.11b、IEEE 802.11g、IEEE 802.11n andIEEE 802.11ac ● Support auto channeling ● Support 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security ● Support eight SSID ● Support RTS/CTS, Segment function ● Support MAC Access/Deny List
Protocol Features	● RFC 2684 multiprotocol Encapsulation over ATM Adaptation Layer 5 ● RFC2364 PPP over ATM ALL5 (PPPoA) ● RFC2516 PPP Over Ethernet (PPPoE) ● RFC1577/2225 Classical IP and ARP over ATM (IPoA) ● MER (a.k.a IP over Ethernet over AAL5)

Parameter	Specification
	● Support ALG (Application Level Gateways) ● ITU G.992.5 (ADSL2+) ● ITU G.993.2（VDSL2） ● ITU-T G.9700/ G.9701(G.fast) ● IEEE802.3 ● IEEE 802.11n /11ac
Routing Features	● Support IP routing ● Support transparent bridging ● Support source and destination routing ● Support DHCP server/client ● Support UPnP ● Support NAT,NAPT ● Support DMZ ● Support IP QoS
Management	● Device Configuration, Management and Update ● Web based GUI ● Command Line Interface via serial port, telnet ● Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0) ● WAN Management Protocol (TR-069)
Security	● Three-level login including local admin, local user, and remote technical support access ● Service access control based on incoming interface: WAN or LAN ● Service access control based on source IP addresses ● Protect DOS attacks from WAN: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land ● PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session ● IP filter, Parental control
VoIP Protocol	RFC 2617：HTTP Authentication: Basic and Digest Access Authentication. RFC 2833：RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals RFC 3261：SIP: Session Initiation Protocol RFC 3262：Reliability of Provisional Responses in the Session Initiation Protocol (SIP) RFC 3263: Session Initiation Protocol (SIP): Locating SIP Servers RFC 3264: Offer/Answer Model with Session Description Protocol (SDP) RFC 3265：SIP Specific Event Notification RFC 3311: The Session Initiation Protocol UPDATE Method

Parameter	Specification
	RFC 3323： A Privacy Mechanism for the Session Initiation Protocol SIP), For further information see the CLIP/CLIR/CNIP/CNIR document. RFC 3325: Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks RFC 3515：The Session Initiation Protocol (SIP) - Refer Method RFC 3842: A Message Summary and Message Waiting Indication Event Package for the Session Initiation Protocol (SIP) RFC 3891：The Session Initiation Protocol (SIP) "Replaces" Header RFC 3960： Early Media and Ringing Tone Generation in the Session Initiation Protocol(SIP) RFC3959：The Early Session Disposition Type for the Session Initiation Protocol (SIP) RFC 4028：Session Timers in the Session Initiation Protocol (SIP) T.38 ：Procedures for real-time Group 3 facsimile communication over IP networks
Environment Requirements	
Operating Temperature	0ºC - 40ºC (32℉ - 104℉)
Storage Temperature	-10ºC - 60ºC (14℉ - 140℉)
Operating Humidity	10% - 95%, non-condensing
Storage Humidity	5% - 95%, non-condensing
Power adapter input	100V - 240V AC, 50/60Hz
Power adapter output	12V DC, 3A
EMC and Safety	
Regulatory Compliance	CE、FCC、ROSH、CCC
Physical Characteristics	
Physical Dimension	230mm*220mm*40mm

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Specifications are subject to change without notice.