OV935WVA

Full Gigabit 5 Port Wireless AC VDSL2 Gateway

Introduction

The OV935WVA is a high-speed dual-band Wireless G.fast Gateway , which is an advanced all-in-one gateways G.fast and vdsl function. This product will be used in a Fiber To The Distribution set-up in which it must be able to interface to the Distribution Point Unit in the Wide Area Network via the lastest ITU-T standard of G.fast. It can provide users with broadband Internet access capability, high quality voice & video services. OV935WVA is the solution that can provide gigabit speeds by using both copper and fiber

System Spec	
Chipset	BCM63138KFSBG(for 17A/G.fast)
Wi-Fi	BCM43602(2.4G 3T3R WiFi)-High power (20dBm)
11AC	BCM4366(5G 4T4R 11AC) –High power (20dBm)
DDR	DDR3-SDRAM,4Gbit
Flash	16MB Nor/128 MB NAND
Interfaces	
External Connectors	1xG.Fast SFP fiber port 1 x RJ11 interface for XDSL 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 1 x USB3.0 & 1xUSB2.0 Host port 1 x power jack 1 x power switch Inner Antenna
Feature and Technical Spec	
Wireless Features	Compatible with IEEE 802.11b、IEEE 802.11g、IEEE 802.11n and IEEE 802.11ac 3x3 MIMO @ 5GHz 3x3 MIMO @ 2.4GHz Support beam forming to any 802.11 device 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
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

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Feature and Technical Spec

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) 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 Support ALG (Application Level Gateways)
G.fast Features	Support G.fast with crosstalk cancellation (vectoring) in DS Support the full frequency band up to 106 MHz in G.fast ITU-T G.9700/ G.9701(G.fast) Support G.vector
Management	TR-069 Device Management TR-098/181 Data Models TR-106 Generic Device Model TR-111 LAN Device 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)
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

Environment Requirements

Operating Temperature	0ºC - 40ºC (32F – 104F)
Storage Temperature	-10ºC - 60ºC (14F – 140F)
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	248mm*190mm*76mm

