



Introduction

The OV935WVA is a high-speed dual-band Wireless G.fast Gateway, which is an advanced all-in-one gateway with 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 latest 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	<ul style="list-style-type: none"> 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
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Feature and Technical Spec

Wireless Features	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

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	0°C - 40°C (32F – 104F)
Storage Temperature	-10°C - 60°C (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
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Physical Characteristics

Physical Dimension	248mm*190mm*76mm
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