OV925WVA

Full Gigabit 5 Port Wireless AC VDSL2/FTTx/G.fast Gateway

Introduction

The OV925WVA is a high-speed dual-band Wireless G.fast/HTTx Gateway , which is an advanced all-in-one gateways that also supports VDSL 17(a) bonding/35(b) single line. OV925WVA 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. OV915WVA is the solution that can provide gigabit speeds by using both copper and fiber

System Spec	
Chipset	BCM63138KFSBG
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
	2 x USB3.0 Host port
	1 x power jack
	1 x power switch
	Antenna inner

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	250mm*175mm*32mm