

## OV804WVA Parameters and Specifications

Parameter	Specification
<b>System Spec</b>	
Chipset	Broadcom BCM63168U
Switch	Broadcom BCM53124S
Wi-Fi	BCM63168 Inner(2.4G)
11AC	BCM4360(5G)
DDR	128M
Flash	16 MB
<b>Feature and Technical Spec</b>	
ADSL Features	<ul style="list-style-type: none"> <li>● T1.413i2, G.992.1</li> <li>● G.dmt, G.992.2, G.lite</li> <li>● Annex A</li> <li>● G.992.3 (G.bis/ADSL2)</li> <li>● G.992.5 (ADSL2+)</li> <li>● Annex L (Reach Extended ADSL2)</li> <li>● Support ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs)</li> <li>● Support CBR, UBR, VBR-rt, VBR-nrt</li> <li>● Support multiple PVCs</li> <li>● Support ITU-T i.610F4/F5 OAM</li> </ul>
VDSL Features	<ul style="list-style-type: none"> <li>● ITU-T G.993.2</li> <li>● Support 17a profile</li> </ul>
Wireless Features	<ul style="list-style-type: none"> <li>● Compatible with IEEE 802.11b, IEEE 802.11g, IEEE 802.11n and IEEE 802.11ac</li> <li>● Support auto channeling</li> <li>● Support 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security</li> <li>● Support eight SSID</li> <li>● Support RTS/CTS, Segment function</li> <li>● Support MAC Access/Deny List</li> <li>● Wireless frequency range, 2400~2483 MHz ISM band and 5710-5835 MHz ISM band</li> </ul>
External Connectors	<ul style="list-style-type: none"> <li>● 1 x RJ11 interface for 17A XDSL port</li> <li>● 4 x RJ45 for Gigabit Ethernet LAN</li> <li>● 1 x RJ45 for Gigabit Ethernet WAN</li> <li>● 1 x Reset button for factory default settings</li> <li>● 1 x 2.4G button for 2.4G WLAN and 2.4G WPS</li> <li>● 1 x 5G 11ac button for 5G WLAN and 5G WPS</li> <li>● 2 x USB2.0 Host port</li> <li>● Antenna inner</li> </ul>
Protocol Features	<ul style="list-style-type: none"> <li>● RFC 2684 multiprotocol Encapsulation over ATM Adaptation Layer 5</li> <li>● RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5</li> </ul>

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	<ul style="list-style-type: none"> <li>● RFC2364 PPP over ATM ALL5 (PPPoA)</li> <li>● RFC2516 PPP Over Ethernet (PPPoE)</li> <li>● RFC1662 PPP in HDLC-like Framing</li> <li>● RFC1332 PPP Internet Protocol Control Protocol</li> <li>● RFC1577/2225 Classical IP and ARP over ATM (IPoA)</li> <li>● RFC1483R</li> <li>● RFC894 A Standard for the Transmission of IP Datagrams over Ethernet Networks</li> <li>● RFC1042 A standard for the Transmission of IP Datagrams over IEEE 802 Networks</li> <li>● MER (a.k.a IP over Ethernet over AAL5)</li> <li>● Support ALG (Application Level Gateways)</li> <li>● ITU G.992.1 (G.dmt)</li> <li>● ITU G.992.2 (G.lite)</li> <li>● ITU G.994.1 (G.hs)</li> <li>● ITU G.992.3 (ADSL2)</li> <li>● ITU G.992.5 (ADSL2+)</li> <li>● ITU G.993.2 (VDSL2)</li> <li>● ANSI T1.413 issue 2</li> <li>● IEEE802.3</li> <li>● IEEE802.3u</li> <li>● IEEE 802.11b</li> <li>● IEEE 802.11g</li> <li>● IEEE 802.11n</li> <li>● IEEE 802.11ac</li> </ul>
Bridging Features	<ul style="list-style-type: none"> <li>● Self-learning bridge (IEEE 802.1D Transparent Bridging)</li> <li>● At least 64 learning MAC addresses</li> </ul>
Routing Features	<ul style="list-style-type: none"> <li>● RFC768 User Datagram Protocol (UDP)</li> <li>● RFC791 Internet Protocol (IP)</li> <li>● RFC792 Internet Control Message Protocol (ICMP)</li> <li>● RFC793 Transmission Control Protocol (TCP)</li> <li>● RFC826 An Ethernet Address Resolution Protocol (ARP)</li> <li>● RFC862 Echo Protocol</li> <li>● Support IP routing</li> <li>● Support transparent bridging</li> <li>● Support source and destination routing</li> <li>● Support DHCP server/client</li> <li>● Support UPnP</li> <li>● Support NAT,NAPT</li> <li>● Support DMZ</li> <li>● Support IP QoS</li> </ul>

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Management	<ul style="list-style-type: none"> <li>● Device Configuration, Management and Update</li> <li>● Web based GUI</li> <li>● Localization support</li> <li>● Embedded web server</li> <li>● Download image via HTTP, TFTP client, TFTP server</li> <li>● Command Line Interface via serial port, telnet</li> <li>● Menu-driven CLI via serial port or telnet</li> <li>● Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)</li> <li>● WAN Management Protocol (TR-069)</li> <li>● PSI configuration file upload and download</li> <li>● Date/time update from SNTP Internet Time Server</li> </ul>
Security	<ul style="list-style-type: none"> <li>● Three-level login including local admin, local user, and remote technical support access</li> <li>● Service access control based on incoming interface: WAN or LAN</li> <li>● Service access control based on source IP addresses</li> <li>● Protect DOS attacks from WAN: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land</li> <li>● PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session</li> <li>● IP filter, Parental control</li> </ul>
Codec capability	<ul style="list-style-type: none"> <li>● G.711–64 kbps(PCMA/PCMU)</li> <li>● G.723.1–5.3/6.3 kbps</li> <li>● G.729A–8 kbps</li> <li>● G.726–32 kbps</li> </ul>
<b>Environment Requirements</b>	
Operating Temperature	0 °C - 40 °C (32°F - 104°F)
Storage Temperature	-10 °C - 60 °C (14°F - 140°F)
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, 2A
<b>EMC and Safety</b>	
Regulatory Compliance	FCC CE
Safety Regulations	UL
Green Standard	RoHS
<b>Physical Characteristics</b>	
Physical Dimension	To be determined
Weight	To be determined