

OV504WN Parameters and Specifications

Parameter	Specifications	
System Specifications		
Chipset	BCM63281T+BCM43227+BCM6301	
DDR SDRAM	64MB DDR2	
Serial Flash	8 MB/16M	
Features and Technical Specifications		
Protocols	<ul style="list-style-type: none">● RFC 2684 Multiprotocol Encapsulation over ATM Adaptation Layer 5● RFC1483 Multiprotocol Encapsulation over ATM Adaptation Layer 5● RFC2516 PPP over Ethernet (PPPoE)● RFC1662 PPP in HDLC-like Framing● RFC1332 PPP Internet Protocol Control Protocol● RFC894 A Standard for the transmission of IP Datagrams over Ethernet Networks● RFC1042 A Standard for the transmission of IP Datagrams over IEEE 802 Networks● MER (IP over Ethernet over AAL5)● PPTP, L2TP, IPSec, and SIP application layer gateway (ALG)● Self-learning bridge (IEEE 802.1D Transparent Bridging)● Support at least 64 learning MAC addresses● RFC768 User Datagram Protocol (UDP)● RFC791 Internet Protocol (IP)● RFC792 Internet Control Message Protocol (ICMP)● RFC793 Transmission Control Protocol (TCP)● RFC826 An Ethernet Address Resolution Protocol (ARP)● RFC862 Echo Protocol● G.992.1 (T1.413)● G.992.2 (G.dmt), G.lite● G.992.3 (G.bis/ADS L2)● G.992.5 (ADSL2+)● Annex L (reach extended ADSL2)● ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs)● CBR, UBR, VBR-rt and VBR-nrt● ITU-T i.610F4/F5 OAM● IP routing	
Wireless Features	Standard	IEEE802.11b/g/n
	Frequency band	<ul style="list-style-type: none">● 802.11b: ISM band 2.400 GHz—2.484 GHz (according to the local regulations)● 802.11g: ISM band 2.400 GHz—2.484 GHz (according to the local regulations)● 802.11n draft:

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		<ul style="list-style-type: none"> – ISM band – 2422 MHz—2452 MHz (channel BW=40 MHz) – 2400 MHz—2483.5 MHz (channel BW=20 MHz)
	Modulation schemes	<ul style="list-style-type: none"> ● 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS ● 802.11b: CCK, DQPSK, DBPSK ● HT20 and HT40: 64 QAM, 16QAM, QPSK, BPSK
	Wireless data rate	<ul style="list-style-type: none"> ● 802.11b: 11, 5.5, 2, 1 Mbps per channel, auto fallback for extended range ● 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range ● HT20: up to 150 Mbps ● HT40: up to 300 Mbps
	Operating channels	<ul style="list-style-type: none"> ● 802.11b: <ul style="list-style-type: none"> – 4: France – 11: USA and Canada – 13: Most European countries – 14: Japan ● 802.11g: <ul style="list-style-type: none"> – 11: USA and Canada – 13: Most European countries – 14: Japan ● HT20: <ul style="list-style-type: none"> – 11: USA and Canada – 13: Most European countries – 14: Japan ● HT40: <ul style="list-style-type: none"> – 3—9: USA and Canada – 3—9: Most European countries
	Transmission distance	<ul style="list-style-type: none"> ● 100m indoors coverage area ● 300m outdoors coverage area (varying depending on the actual environment)
	Security	64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x
Basic Features	<ul style="list-style-type: none"> ● Set IP address and subnet mask at the LAN end and manage domain 	

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	<p>name</p> <ul style="list-style-type: none"> ● VLAN and port binding at the LAN end ● Multi-IP address management at the LAN end ● DHCP server, Option 60/15/42/50/250, and management of multiple address pools ● DHCP Relay, compatible with RFC2131, RFC951, RFC1542 ● 10M/100M, self-adaptation, half duplex and full duplex management of the LAN port ● Up to eight WAN connections ● Static uplink, configuring of static IP address, subnet mask, DNS, and gateway ● PPPoE uplink, configuring of user name, password, MRU, PAP and CHAP authentication, disconnection upon idle overtime ● DHCP uplink, obtaining the IP address through DHCP ● Bridge uplink ● VLAN at the WAN end and 802.1q VLAN ● NAT and NAPT
Advanced Features	<ul style="list-style-type: none"> ● ALG: TFTP/FTP/PPTP/RTSP/L2TP/H323 ● MAC address filtering in the whitelist mode ● Virtual server (NAPT configuration page), meeting the TR098 requirements for port mapping nodes, supporting 16 entries of virtual server configuration ● DNS agent ● Manual configuration of DNS ● QoS: <ul style="list-style-type: none"> – Interface management, supporting strict-priority (SP) and DWRR scheduling modes – Queue management, supporting eight priority queues – Flow classification management ● Anti-DoS, independent switch for each protection item, and anti-port-scanning switch ● IP filtering, security level configuration, blacklist and whitelist based on WAN/LAN end (each list supporting up to 20 entries of IP filtering configuration) ● Ping/Web/Telnet/SSH/FTP/TFTP local access control ● Ping/Web/Telnet/SSH/FTP/TFTP remote access control ● UPnP ● IGMP Snooping and IGMP data control of the port ● IGMP relay ● Static routing management, supporting up to 16 entries of static routing

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	configuration <ul style="list-style-type: none"> ● Dynamic routing management, RIPV1, RIPV2, active and passive modes ● SNTP ● URL filtering, blacklist and whitelist filtering, supporting up to 20 URL entries ● DMZ
Status Enquiry	<ul style="list-style-type: none"> ● System information ● ADSL information ● Host list at the LAN end ● WAN connection status and statistics information ● LAN statistics information
Configuration Management	<ul style="list-style-type: none"> ● Web, TR069 and SNMP configuration management ● Telnet and SSH ● Restore to the factory defaults and keep key parameters, reboot the router ● Two-level user management, including administrator and user ● Ping diagnostics ● Software version upgrade, double Image backup, and HTTP upgrade ● Upgrade and download of the configuration file of HTTP and TFTP server ● Record log, upload log through TFTP, clear log, and download log through HTTP
External Connectors	<ul style="list-style-type: none"> ● 1 x RJ11 DSL interface ● 1 x WLAN ● 1 WPS button ● 1 x reset button ● 4 x RJ45 Ethernet interfaces ● 2X 5dbi External Antennas ● 1 x power interface ● 1 x power switch
Ethernet Interface Features	<ul style="list-style-type: none"> ● Fully compliant with IEEE802.3/802.3u standards ● 10Base-T and 100Base-TX ● Half duplex and full duplex ● Auto MDI/MDIX ● Flow control
Consumption	10 W

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Environment Requirement	
Operating Temperature	0 ℃—40 ℃
Storage Temperature	-20 ℃—70 ℃
Operating Humidity	10%—95%, non-condensing
Storage Humidity	5%—95%, non-condensing
Power Supply	12 V DC, 1A
EMC and Safety	
Regulation Compliance	<ul style="list-style-type: none">● FCC● CE● CCC Class B
Safety Regulations	UL
Green Standard	RoHS
Physical Characteristics	
Physical Dimension	L x W x H: 153mm x 105mm x 32mm
Weight	880 g (including power adapter)