OV804WV

Product Introduction

The OV804WV is a Wireless VDSL router modem, which is an advanced all-in-one gateways incorporating an VDSL modem, 802.11b/g wireless router in one unit, bringing high-speed wireless Internet connection to a home or office. It can provide the transmission of broadband data service, which are suitable for using in a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications. The OV804WV VDSL2 is a very high-performance gateway with the built-in VDSL modem, and can support VDSL link downstream up to 79Mbps and up stream up to 40Mbps.

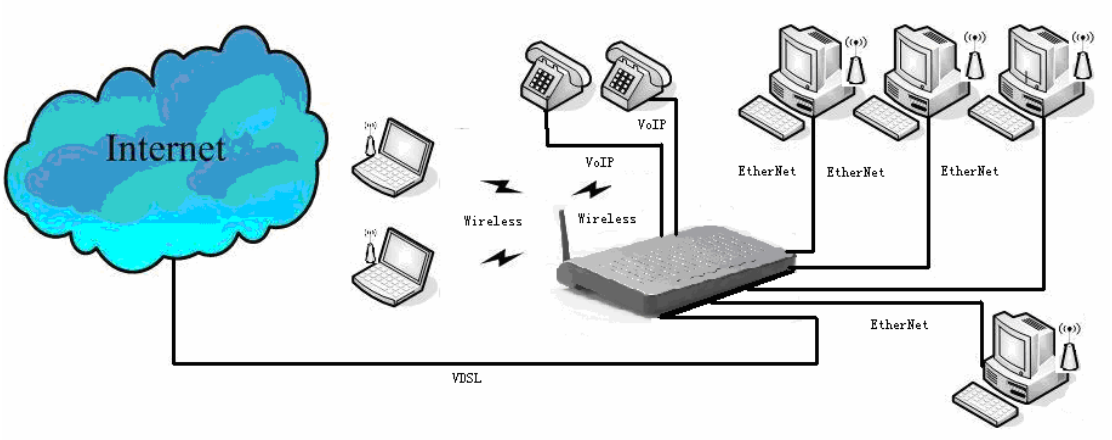
Using 802.11g wireless technology, Wi-Fi enabled computers and devices can wirelessly connect to the OV804WV and share a single incoming Internet connection. With four additional Ethernet LAN ports, you can connect your network Ethernet-enabled devices. Also you can connect any PC directly to the OV804WV with an available USB cable.

The router functionality on the OV804WV includes support for VPN pass-through of multiple concurrent IPSec and PPTP tunnels, making it especially useful for telecommuters or users who need a more secure way to communicate and transmit information.

A Web-based user interface allows you to easily modify settings to connect to your Internet Service Provider (ISP). This Web interface also provides traffic statistics, connection speed and other detailed information.

The OV804WV supports static IP, Dynamic IP, as well as PPPoE connections, and works with applications such as online gaming and VPN connections with no additional configuration. The OV804WV is easily upgradeable, making it future-proof for both end-users and service providers.

Whether it's for a home user who wants to share wireless high-speed Internet access or for a small office that needs Internet access for conducting essential business activities, the OV804WV is the ideal all-in-one broadband solution. With this gateway at the heart of your home network, you are connected to the future.



OV804WV

System requirements

- Support OS: Windows 98 to XP, MAC OS, Linux

- Local Management: HTTP/Telnet/TFTP/SNMP
- Remote Management: HTTP/SNMP/TR069

Function

Support VDSL2, Router, 4 port Ethernet switch, Wireless AP.

Main Features

- HOST PROCESSOR: BCM6359
- 800 DMIPS VIPER processor core
- 32 MB DDR SDRAM running at 133MHz main clock (DDR266)
- 8 MB Flash memory
- VDSL2 interface complied withG.993.2 (VDSL2), ANSI T1.413.
- Hardware ATM segmentation & reassembly engine with CBR, VBR, UBR and MCR shaping
- 4X 10/100BASE-T/TX Ethernet Switch PORT
- IEEE802.11 b/g compatible Wireless Access Point
- USB1.1 Device port
- USB2.0 Host port
- Support one FXO port for the POTS

Applications

- Home gateway
- SOHO Applications
- The enterprise Application
- HDTV
- Standard Video TV (SDTV)
- TV over IP (IPTV)
- Fax over IP (FoIP)
- Shared broadband internet access
- Printer and peripheral sharing
- Broadband internet accessing by wireless
- Audio and video streaming and transfer

Standard

- ITU-T G.993.2 (VDSL2)
- Support IEEE802.3/802.3u
- Support 10Base-T/100Base-TX
- Support 802.11g/11b Wireless
- Support IEEE802.1Q
- Support RFC2327 Session Description Protocol (SDP)
- Support ITU-T38 ITU-T Recommendation T.38
- IEEE 802.1D Transparent Bridging
- RFC 2684 multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC1483 Multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC2364 PPP over ATM ALL5 (PPPoA)
- RFC2516 PPP Over Ethernet (PPPoE)
- RFC1662 PPP in HDLC-like Framing
- RFC1332 PPP Internet Protocol Control Protocol

- RFC1577/2225 Classical IP and ARP over ATM (IPoA)
- RFC1483R
- 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 (a.k.a IP over Ethernet over AAL5)
- Support ALG (Application Level Gateways)
- 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
- RFC 854 Telnet Protocol Specification (TELNET)
- RFC1350 Trivial File Transfer Protocol (TFTP)
- RFC1157 SNMP
- RFC1904 SNMPv2
- RFC1905 Protocol Operations for SNMPv2
- RFC1906 Transport Mappings for SNMPv2
- RFC1334 PAP
- RFC1994 CHAP

Performance

- VDSL2:
  - 0 kilometer: 40000Kbps for upstream 79900Kbps for downstream
  - 600 meter: 8000Kbps for upstream 40000Kbps for downstream
- Wireless LAN:
  - 11 Mbps for IEEE802.11b mode
  - 54 Mbps for IEEE802.11g mode
- Ethernet Switch PORT:
  - 4 Ports
  - 10/100BASE-T/TX supported
- USB1.1 Device port
  - 12Mbps transfer rate for USB networking interface
- USB2.0 Host port
  - 480Mbps transfer rate for USB device connecting.
- POTS:
  - 1x FXO supported

Management Support

- Support software update
- Support Encryption
- Web based GUI
- Automated pre-configuration mechanism available (configure multiple CPEs at once), pls describe
- Localization support
- Embedded web server
- Download image via HTTP or TFTP client

- Download image via FTP server
- Download image via TFTP server
- Command Line Interface via serial port or telnet
- Menu-driven CLI via serial port or telnet
- Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)
- General LED API for easy LED assignment
- SNMP v1/v2c agent
- SNMP MIBs: rfc2515 ATM MIB, MIB-II
- PSI configuration file upload and download Default Configuration file build tool using PSI file
- Date/time update from SNTP Internet Time Server

Interface

- VDSL2 interface (RJ11 jack)
- Ethernet port x4 (RJ45 jack)
- USB2.0 Host port
- One FXO port (RJ11 jack shared with VDSL2 interface)
- Two FXS port

Power

- Switching mode voltage regulator
- Input: 100~240V, 50/60Hz, 0.6A
- Output: DC12V, 2A

Environment

- Operating temperature: 0°C to 45°C
- Storage temperature: -20°C to 70°C
- Operating Humidity: 10%~95% no freezing
- Storage humidity: 5%~95% no freezing