



**VB104W VDSL
VDSL2/ADSL2+ Wireless 4 port
Router
Product Specifications**

Overview

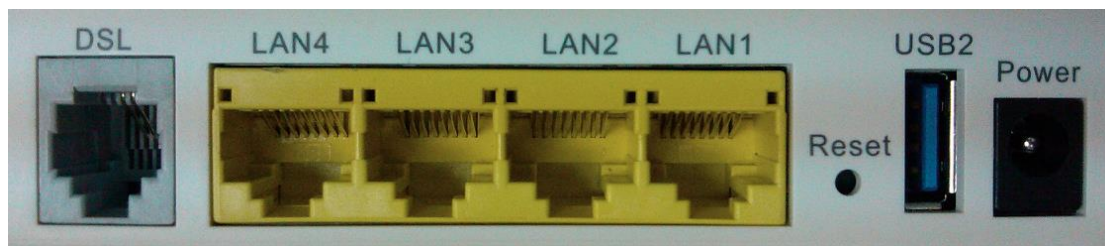
The Energy Imports VB104W VDSL product offers VDSL2/ADSL2+ connectivity, 4 x 10/100Mbps Ethernet ports and 802.11b/g/n wireless connectivity.

The VB104W VDSL is an ideal solution for the residential users; it offers ADSL2+ Connectivity whilst providing an upgrade path the VDSL2 speeds on an entry level device.

Main Features

- 4 ports 10/100Mbps auto MDI/MDIX Ethernet Switch
- Wireless Ethernet IEEE 802.11b/g/n support
- Support all VDSL2 profiles - 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a
- Support all ADSL standards (ADSL1/2/2+), including Annex A, B, I, J, M & L

Back Panel



Application

- Home gateway
- SOHOs
- Small enterprise
- Higher data rate broadband sharing
- Shared broadband Internet access
- Audio and video streaming and transfer
- PC file and application sharing
- Network and online gaming

Parameters and Specifications

Parameter	Specification
System Specifications	
Chipset	RT65168+RT63095+ RT5392
RAM	64 MB DDR
Flash	8MB SPI Flash
Wi-Fi	2.4GHz 11b/g/n 2T2R 300Mbps
Feature and Technical Specifications	
External Connectors	<ul style="list-style-type: none"> ● 1 x DC power jack ● 4 x RJ45 for 10/100 Base-T Ethernet LAN ● 1 x RJ11 interface for xDSL port ● 1 x Reset button for factory default settings ● 1 x WLAN button ● 1 x WPS button ● 2 x USB host connector
LED Indicators	<ul style="list-style-type: none"> ● POWER ● DSL ● INTERNET ● LAN1,LAN2,LAN3,LAN4 ● WLAN ● WPS ● USB1,USB2
ADSL Features	<ul style="list-style-type: none"> ● Annex A, B,I, J, L & M ● ANSI T1.413i2 ● ITU G.992.1 (G.dmt) ● ITU G.992.2 (G.lite) ● ITU G.992.3 ADSL2 (G.dmt.bis) ● ITU G.992.4 (G.lite.bis) ● ITU G.992.5 (G.dmt.bisplus) ● ITU G.994.1 (G.hs) ● ITU G.995.1, ITU G.996.1, ITU G.997.1 ● Power Saving Mode, L3 to L0 initialization ● Support multiple PVCs ● Support Traffic Shaping (ATM QoS) UBR, CBR, VBR-rt,VBR-nrt ● Support OAM F4/F5 loop-back, AIS, and RDI OAM cells ● UNI 3.1/4.0 Permanent Virtual Circuits
VDSL Features	<ul style="list-style-type: none"> ● ITU-T G.993.2 VDSL2 ● Support 8a,8b,12a,12b,17a,30a profile ● Support G.vector ● Support ATM and PTM ● Support G.INP

Parameter	Specification
Bridging Features	<ul style="list-style-type: none"> ● 802.1D MAC Bridge ● Automatic MAC discovery
Routing Features	<ul style="list-style-type: none"> ● Routing (TCP/IP/UDP/ARP/ICMP) ● 802.1D MAC Bridge ● RIP v1 (RFC1058), RIP v2 (RFC1723) ● IGMP Snooping (V1/V2/V3) ● IGMP Proxy (V1/V2) ● VLSM (RFC1878) ● RFC 1877 PPP IPCP Extensions for Name Server Address ● RFC 1877 PPP IPCP Extensions for Name Server Addresses (Limited to DNS addresses unless the device supports NetBIOS) ● RFC 0791 IP Segmentation ● IETF RFC 0919, IETF RFC 0922, IETF RFC 2644 IP Broadcast
Management	<ul style="list-style-type: none"> ● Web based Configuration ● Web Page/X-Modem/FTP/TFTP Firmware upgrade ● Command Line Interface via serial port, telnet, or ssh ● Universal Plug and Play (UPnP) ● WAN Management Protocol (TR-069) ● Date/time update from SNTP Internet Time Server
Security	<ul style="list-style-type: none"> ● Management Access Control for LAN/WAN sides ● Prevent port scanning, Denial of Service (DOS) , LAND attack ● Stateful Packet Inspection (SPI) ● IP/ MAC filtering, Application filtering, URL filter
Environment Requirements	
Operating Temperature	0°C - 40°C (32°F - 104°F)
Storage Temperature	-40°C - 70°C (-40°F - 158°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
Power dissipation	23W
EMC and Safety	
Regulatory Compliance	FCC CE
Safety Regulations	UL
Green Standard	RoHS
Physical Characteristics	
Physical Dimension	L*W*H=175mm*55mm*144mm