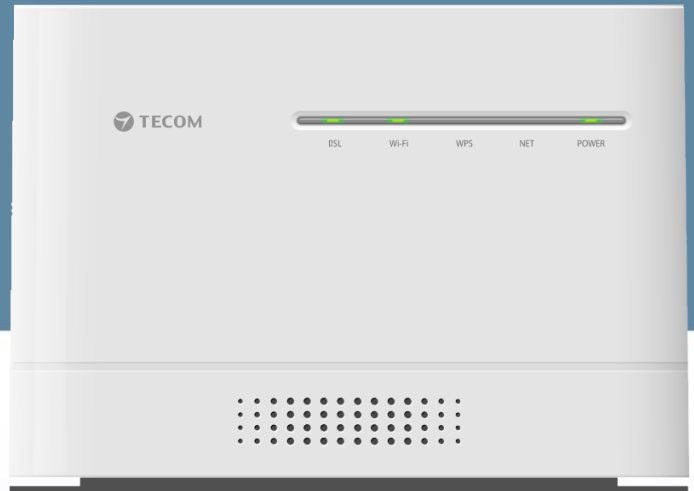


VH4033

VDSL IAD



Highlights

- High-end VDSL2 IAD, complying with ADSL, ADSL2+, VDSL and VDSL2 standards
- Two FXS (Phone) Ports
- Three USB Host ports
- Support for 3G USB dongles (for voice and data functions)
- Four Fast Ethernet LAN Ports, 802.11b/g/n WiFi (2.4 and 5 GHz bands supported)
- Media Server

VH4033 is a VDSL2 integrated access device which complies with the latest ITU-T G993.2 VDSL2 standard for triple play applications (voice, video and data). ADSL, ADSL2+ backward compatible gives the capability to connect to either VDSL or ADSL DSLAMs. VH4033 has four 10/100 base-T Ethernet ports and two FXS (Phone) ports. It also provides a WLAN interface which is compliant with IEEE 802.11b/g/n standards in 2.4 and 5 GHz bands. Its a ideal integrated device suitable for small office and residential use with operators that offer fast internet access and telephony at the same time. Three USB Ports give further expansion possibilities such as 3G connections (with additional dongle) or connection of a hard drive to provide Home Media Server functions.

VH4033

VDSL IAD

Specifications

VDSL2 IAD

- Based on Broadcom 6368 SoC
- VDSL2 bandwidth of up to 17 MHz, offering 100/50 Mbps

Interfaces

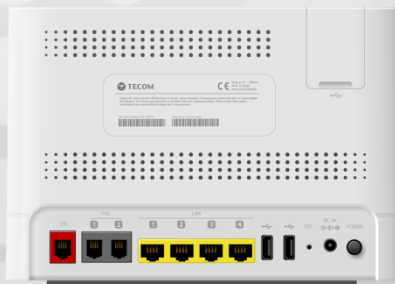
- DSL WAN Interface (RJ-11)
- Four Fast Ethernet (10/100) RJ-45 LAN Ports
- Three USB 2.0 Host Ports (two in the back, one on top)
- Two FXS (Phone) (RJ-11) Ports
- WLAN 802.11 b/g/n (2.4 GHz, 5 GHz non-concurrent)
- WPS Button, Reset Button, On/Off Switch

VDSL/ADSL standard compliance

- ITU-T G.993.2 (VDSL2) and ITU-T G.993.1-2004 (VDSL)
- ANSI T1.424-2004, ETSI TS 101 270-1 and TS 101 270-2
- Support of VDSL2 profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a
- Extended US0 band up to 276kHz
- Support 5 Band Plan and extend US0 band.
- Support of PTM-TC
- T1.413 Issue 2, ITU-T G.992.1 (G.DMT), G.992.2 (G.lite), .992.3(ADSL2), G.992.5 (ADSL2+)
- Support ATM cell format ITU-T I.361, AAL5 (RFC 2684)
- Support up to 8 PVCs with traffic shaping (CBR, UBR, rt-VBR, nrt-VBR), ATM Forum UNI 3.1/4.0 PVC
- ADSL Annex L or Annex M. ADSL Annex A or Annex B

WLAN

- Full 802.11 b/g/n (bands 2.4 GHz, 5 GHz) compliance
- IEEE 802.1x, WPA/WPA2, WMM
- Guest networks (up to three)



Device Management

- Web-based configuration environment
- Remote Management by TR-069 (TR-098, TR-104, TR-106, TR-110, TR-111)

Data/Networking Functions

- PPP:PPPoA (RFC 2364), PPPoE (RFC 2516)
- Ethernet to DSL self-learning. Transparent Bridging(IEEE802.1d)
- Filtering functions – MAC address filtering and protocol filtering for up-link
- Port Mapping function – mapping the local interface into the different PVC
- Static routing
- RIP v1 / v2 (RFC 1058, RFC 1389)
- NAT / NATP, NAT with ALGs
- DHCP Server / Relay / Client, DNS Relay
- IGMP Proxy / Snooping
- DMZ and Port Forwarding
- Packet filtering (IP, Port number, Interface)
- Access Control List
- QoS: ATM: CBR, rt-VBR, nrt-VBR, UBR, IP QoS (RFC 1349 and RFC 2474), supports priority queues for upstream, traffic classification based on ToS / DSCP field or IEEE 802.1p value.

Voice/VoIP functionalities

- SIP (RFC 3261 and compatible with RFC 2543) RTP / RTCP, Adaptive Jitter buffer
- Call Hold and Consultation
- Caller ID, Call Forward, Call Waiting
- FSK Caller ID Detection, Generator
- Codecs G.711, G.726, G.729AB, G.723.1A
- Echo Cancellation (G.168), VAD and CNG
- RFC 2833 (RTP Payload for DTMF and DTMF Emulation)
- FAX Tone Detection (Fallback to G.711), T.38

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