

ADSL2+ / VDSL2

4 Ethernet Port | VoIP | WiFi | USB Host

VI-3223u

Wireless VoIP IAD



The VI-3223u is a leading Multi-DSL WLAN VoIP Integrated Access Device (IAD). It is 802.11n compliant, supports ADSL2+, VDSL2 and facilitates predictable, real-time, toll-quality voice over the Internet.

VDSL2 is a brand new standard and technology, perfect for triple play (Video, Voice and Data) applications. The VI-3223u comes with four 10/100 Ethernet LAN ports, one 10/100/1000 Base-T Gigabit Ethernet WAN and two USB hosts, combining wired LAN connectivity, a 802.11n WiFi WLAN Access Point (AP) for wireless connectivity and VoIP via standard analog phones.

The VI-3223u is a cost effective solution designed to meet the needs of most ISPs and carriers. It is capable of serving as the one DSL device for covering end users in different loop range areas. Deploying VI-3223u is cost effective for ISPs and carriers because deploying a single CPE DSL device with multiple profile support minimizes the number of required upgrades.

FEATURES

- **Multi-DSL VoIP and Router Integrated**
- **Supports both ADSL2+ and VDSL2 (up to 17a Profile)**
- **Automatically switches to ADSL2+ /VDSL2 according to the port setting of DSLAM**
- **IP QoS**
- **UPnP**
- **Integrated 802.11 b/g/n AP**
- **WAP and 802.1x**
- **RADIUS client**
- **IP/MAC address filtering**
- **Static route/RIP/RIP v2 routing functions**
- **IGMP Proxy and fast leave**
- **DHCP Server/Relay/Client**
- **Supports fast emergency call**
- **Supports QoS (Quality of Service) for voice**
- **Supports caller ID display and restriction**
- **Supports call hold, call waiting, call forwarding, call transfer, 3-way conference**
- **Supports direct number dialing**
- **Supports T.38**
- **Supports VPN Pass-Through**
- **Supports day-time parental control**
- **Supports TR-069/TR-098/TR-104/TR-111**
- **Supports remote administration, automatic firmware upgrade and configuration**
- **User friendly color connections**

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SPECIFICATIONS

Hardware

- RJ-11 X1 for ADSL2+/VDSL2,
- RJ-45 X 4 for LAN,
- RJ-45 X 1 for Giga WAN,
- FXS X2, FXO X1,
- Reset Button X 1,
- WPS button X 1
- Wi-Fi On/Off button X 1
- Wi-Fi Antennas X 2
- Power switch X 1
- USB Host X 2

WAN

- ADSL standard
ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413
Issue 2, AnnexM
- ADSL2+
Downstream : 24 Mbps Upstream : 1.3 Mbps
- VDSL2 standard
ITU-Y G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)
- VDSL2
Downstream : 100 Mbps Upstream : 60 Mbps

LAN

- IEEE 802.3, IEEE 802.3u
- 10/100 BaseT auto-sense
- Support MDI/MDI-X

WLAN

- IEEE 802.11n draft, backward compatible with 802.11g/b
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300 Mbps data rate
MAC address filtering, WEP, WPA, IEEE 802.1x
10, 25, 50, 100mW @ 22MHz channel bandwidth output power
level can be selected according to the environment

ATM Attributes

- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route;
RFC 2516 (PPPoE); RFC 1577 (IPoA)
- Support 16 PVCs
- AAL5
- UBR/CBR/VBR
- UNI 3.1/4.0
- OAM F4/F5

Management

- SNMP, TR-069/TR-098/TR-104/TR-111, SNMP, Telnet,
Web-based management, Configuration backup and
restoration. Software upgrade via HTTP, TFTP server, or FTP
server.

Bridge Functions

- IEEE 802.1d
- VLAN support
- Spanning Tree Algorithm
- IGMP Proxy

Routing Functions

- Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/DHCP
Relay, DNS Proxy, ARP

Security Functions

- PAP, CHAP, TCP/IP/Port filtering rules, Port
triggering/Forwarding, Packet and MAC address filtering,
access control, SSH

QoS

- L3 policy-based QoS, IP QoS, ToS

Voice Functions

- SIP: RFC 3261
- MGCP: RFC 3435
- Codec: G.711, G.723.1, G.726, G.729ab
- RTP: RFC 1889
- SDP: RFC 2327
- Caller ID: ETSI based
- Life line/ Emergency call
- Echo cancellation: G.168
- Silence suppression

Power Supply

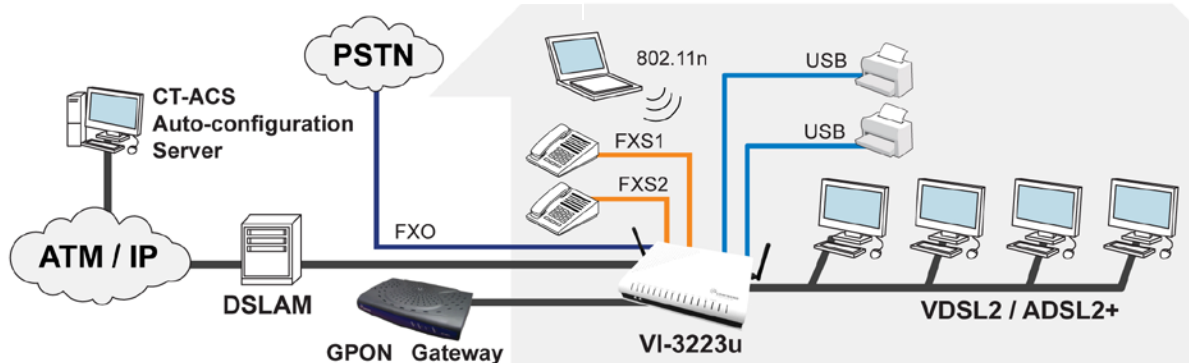
- External power adapter: 12VDC/ 2A

Environmental Conditions

- Operating temperature: 0 ~ 50 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)

Dimensions

- 256.2mm(W) X 47.9mm(H) X 166mm(D)



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