

# ADSL2+ /VDSL2

VDSL | 4 Ethernet Port | VoIP | WiFi 11n & 11ac| USB

## VI-3252u

# Wireless VoIP IAD



VI-3252u is a VDSL2 integrated access device complies with ITU -T G993.2 VDSL2 standard which is suitable for multiple applications (Voice, Video, Data, and Mobile) and the device is also integrated with multiple options such as 11ac/5Ghz Wi-Fi for video service delivery for home monitoring and energy management services. These options allow the operator to offer value added services to the end users

## FEATURES

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- **Four (4) 10/100 (4 LAN) Fast Ethernet ports with auto-sensing technology.**
- **Internet Control Message Protocol (ICMP)**
- **IP Static Routing**
- **Routing Information Protocol (RIP, RIPv2)**
- **Network Address Translation (NAT)**
- **Virtual Server, Port Forwarding**
- **Port Mirror**
- **Flow Accelerate**
- **Protected Port**
- **ACL Control**
- **Port Triggering**
- **NAT ALGs**
- **Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay**
- **DNS Relay, DDNS**
- **IGMP proxy**
- **IGMP snooping (32 multicast groups)**
- **Simple Network Time Protocol (SNTP)**

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## SPECIFICATIONS

### Hardware

- RJ-11 X1 for ADSL2+/VDSL2,
- RJ-45 X 4 for LAN,
- FXS X1
- Reset Button X 1,
- WPS & Wi-Fi On/Off button X 1
- 5x internal MIMO antenna
- Power switch X 1
- USB Host X 1
- Power on/off switch X 1
- 2.4GHz Internal Antenna X 2
- 5GHz Internal Antenna X 2

### LAN

- 10/100 Base-TX MDI/MDIX RJ-45 ports

### WLAN

- IEEE 802.11b, IEEE 802.11g, IEEE802.11n compliant
- 802.1x, WPA, WPA2 authentication
- 64/128 bit WEP encryption
- MAC-address-based access control
- WDS, WPS
- Operating Frequency:
  - 2.4GHz Band: 2400 ~ 2497MHz ISM band
  - 5.0GHz Band:
    - 5.15 ~ 5.35GHz. , 5.47 ~ 5.725GHz and 5.725~5.850 GHz for US and Canada
    - 5.15 ~ 5.35GHz and 5.47~5.725GHz for Japan
    - 5.15 ~ 5.35GHz and 5.47 ~ 5.725GHz for Europe
    - 5.725~5.850GHz for China

### Power Supply

External power adapter: 12VDC/ 1.5A

### Voice Functions

- SIP: RFC 3261, RFC 2543
- RTP / RTCP
- Adaptive Jitter buffer
- Call Hold and Consultation
- Caller ID
- Call Forward
- Call Waiting
- Out of Band DTMF, RFC 2833

### Voice CODEC of VoIP

- G,711 A-/u-Law
- G.729A/B (Optional)
- Echo Cancellation (G.168)
- RFC 2833 (RTP Payload of DTMF and DTMF Emulation)
- Fax Tone Detection
- Fax Auto Fallback to G.711 Support

### 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-T G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)  
Support G. Vectoring
- VDSL2  
Downstream : 100 Mbps Upstream : 60 Mbps

### 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

### Environmental Conditions

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)



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