VDSL Router

V7921-l1

This wireless VDSL modem provides stable and secure Internet access for users. It has triple-core CPU to ensure the high performance of the CPE. It provides up to 100/100/1000 Mbps up/downstream and supports 802.11b/g/n/ac wireless standards, which is up to 1300 Mbps wireless speed. It also supports VoIP and the combination of MIMO and beamforming technologies enable better throughput and signal coverage.

VDSL/ADSL compliance

- Vdsl2, up to 35b profile
- ITU-T G.992.5 ADSL2+
- ITU-T G.992.1, G.992.2, G.992.3
- ANSI T1.413
- G.993.2 (VDSL2), G.994.1 (G.hs), G.vectoring
- G.INP

Protocol & feature supported

- RFC 2684 IP Bridging & RFC 2684 IP routing
- RFC 2516, PPPoE (point over ethernet) over ATM
- RFC 2364 PPPoA
- QOS based on service and ports
- Routing: static, RIP v1, RIP v2
- NAT & PAT (RFC 1631)

Protocol & feature supported (continue...)

- NAT with application layer gateway, DMZ support
- IP Routing: TCP, UDP, ICMP, ARP
- DHCP client/server/relay
- IP multicasting IGMP v1/v2
- Pass through/open/redirection and port mapping
- QoS for bandwidth control
- IP Filter, IGMP snooping
- IEEE 802.1D transparent bridging
- UPnp support
- DNS relay

Virtual Prive Network

- Standard (IPSec, L2TP, PPTP) pass through
- Compatibility with other IPSec VPN gateways

Firewall & Security

- 223mm *150mm *30mm
- Wall mounting & desktop mounting

Key features

- ▶ VDSL2 wireless modem, support up to 35b profile
- ▶ 802.11b/g/n up to 300 Mbps (2T2R)
- ▶ 802.11ac up to 1300 Mbps (3T3R)
- ▶ Internal antenna, MIMO technology
- ▶ 1 x VDSL2/ADSL RJ-11 port
- ▶ 1 x Gigabit WAN port (10/100/1000 Mbps)
- ▶ 4 x Gigabit ethernet port (10/100/1000 Mbps)
- ▶ 2 x FXS
- ▶ 1 x USB 2.0 host
- ▶ WPS

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Wi-Fi

- Wireless standard and feature 802.11g/802.11b/802.11n/ac
- 802.11 b/g/n, 2X3.58dBi 2.4 G Internal antenna, frequencies range
- 2.4 GHz:2.4 GHz~2.4835 GHz.
- 802.11ac; 3X4.86dBi 5.8 G Internal antenna; frequencies range of
  5 GHz:5.150 GHz~5.850 GHz
- 64/128-bit WEP support
- Support Multiple SSIDs
- Support for WEP, WPA, WPA2, WPA2 Enterprise (802.1X)
- MAC association control
- Support WPS
- Antenna gain is 4.78dBi and radiation power is 24.78dBm for 2.4G
- Antenna gain is 4.86dBi and radiation power is 24.66dBm for 5G
- Pire base on 11ac:20dBm+4.86dBi-0=24.86dBm(Max)
- 2.4G Power: Max: 200mW,High: 150mW,Average: 100mW,Low: 50mW
- 5G Power: Max: 200mW,High: 150mW,Average: 100mW,Low: 50mW

Management & operational features

- Web/HTTP: 3 level log-in via SSH or Telnet
- Firmware upgrade via web/TFTP/ FTP/TR-069 RPC method
- Text based configuration
- Configuration backup/update/ restore default via Web
- TR-111 and TR-181
- Support TR-64 for LAN management
- Support DHCP server for IP management
- SNMP v1, v2
- Firewall features; filtering on port basis, stateful packet inspection
- IPv4/IPv6 dual stack
- Diagnostic and system log

Voice

- VoIP
- DTMF detection and generation
- Digital gain configuration
- On hook, off hook and flash detection
- Caller ID, Three-way conference
- Call transferring
- Call hold/Call retrieve

Flash/Ram

- 128mb SPI NAND/ 128 mb DDR3 RAM

Interface description

- WAN: 1 x 10/100/1000 RJ45
- Ethernet: 4 x 10/100/1000 RJ45
- VDSL2/ADSL: 1x RJ11
- 2 x FXS
- 1 x USB

Button

- One WPS on/off button
- One reset button
- One WPS on/off button

Status LEDs indicatiors

- Power
- DSL
- WAN Internet
- LAN 1-4
- WLAN 2.4Ghz/ 5Ghz/WPS
- FXS1
- FXS2
- USB

Power consumption

- 12 V DC/ 1.5 A

Environmental specifications

- Operating temperature: 0°C to 50°C
- Storage temparature: -20°C to 70°C
- Operating humidity: 10 to 90% (Non-condensing)
- Non-operating humidity: 5% to 95%