

DATA SHEET

AC1200M Wireless VDSL2 Router

Model: V99A2



■ Overview

V99A2 is a dual-band wireless Router, provides stable and secure Internet access for users. Its CPU runs at the speed of up to 800Mhz, so that 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 1200Mbps wireless speed, to satisfy the most common use. It also supports VoIP which can bring more convenience to home or office requirement The MIMO technologies and Beam Forming technologies support allows better throughput and better signal coverage.

■ Hardware Specification

Chipset	Realtek 8685FB +RTL 8192FR+RTL8812FR
Flash	128MB
RAM	128MB DDR3
POT	1 FXS (OPTION)
LAN	4GE Ports
WAN	-
Wireless	802.11 b/g/n, up to 300Mbps; 11ac, up to 867Mbps;2T2R External antenna;
LED	Power DSL/ LAN1/ LAN2 / 2.4G_ WIFI 5G_ WIFI/ WPS /WAN
Input Power	12V 1.5A
Accessories	PSU 12V 1.5A , 1.5M wire, 110V ~240V RJ11cable 1M Cate5 4P2C
Gift box	Brown with logo and MAC/SN sticker
Others	One Reset button, MAC/SN sticker and foot cushion on the bottom
Dimensions	180mm*145mm*35mm
Installation	Desktop mounting
Power consumption	<15W
Environmental	Temperature: - 0 to 50 °C (Standard Operating) - -20 to 70 °C (Non-operating) Humidity: - 10% to 90% (Non-condensing, Standard Operating) - 5% to 95% (Non-condensing, Non-operating)

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■ Firmware Specification

Protocol & Features Supported	
●	RFC 2684 IP Bridging & RFC 2684 IP Routing
●	RFC 2516, PPPoE (Point over Ethernet) over ATM
●	RFC 2364 PPPoA
●	Support multiple Routing service (optional)
●	QOS based on service and ports
●	Routing: RIP v1, RIP v2
●	Support Static Routing
●	NAT & PAT (RFC 1631)
●	DMZ support
●	NAT with Application Layer Gateway
●	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
●	HTTP (web based) for firmware upgrade & configuration
●	IP filter
●	IGMP Snooping
●	IEEE 802.1D Transparent Bridging
●	DNS relay
●	
● Firewall Features	
●	Source IP address, Destination IP address, Source port addresses, Source MAC address, Destination Port address
●	Stateful packet inspection
●	Filtering on Application basis
●	Filtering on port basis
● Virtual private network support	
●	Standard (IPSec, L2TP, PPTP) pass through
●	Compatibility with other IPSec VPN gateways
●	Supports multiple simultaneous login via FTP/www/Telnet
● Diagnostic	
●	support diagnostic function
● Management features & functionalities	
●	TFTP/FTP upgrade
●	Support TR069 (optional)
●	Telnet remote access support
●	support Web based configuration

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- Support for backup & restore configuration to/from PC
- Support TR-64 for LAN management
- Support DHCP server for IP management

● Quality of Service requirement

- Port based and IP based QoS
- 802.1Q

● General Specification & Operational requirement

- System Log
- IPv4/IPv6 Dual Stack

● Applicable for WiFi CPE

- Wireless Standard and feature - 802.11g/802.11b/802.11n/ac
- 64/128 bit WEP support
- MAC association control
- Support Multiple SSIDs
- Support for WEP, WPA, WPA2, WPA2 Enterprise(802.1X)
- “0 Configuration” function with i01 smart repeater, to simply expand WiFi coverage with high performance.
- Files Storage System for WAN (Option) and LAN (available on phase 2)