

VDSL2 Wireless Modem Router



KW52293 Features:

- **VDSL fall back:** Falling back to ADSL2/2+ automatically
- **High Speed:** Downstream rates up to 100Mbps and upstream rates up to 100Mbps
- **2.4G 300Mbps Wi-Fi:** Two internal antennas to deliver the best wireless signal, connect everything in your home and office in one device
- **Multi-function USB2.0 Port:** Printers, files and media can be shared with computer or using the device's FTP server
- **WPS Button:** Instant connection to wireless network safely
- **1 Gigabit port for WAN:** Gigabit Ethernet port for WAN(Dual WAN) to allow 10 x higher speed
- **4 Fast Ethernet ports:** Extend the LAN to more devices and further distance
- **TR-069:** Manage settings and updates remotely from any end equipment
- **QOS :** Quality of Service control for traffic prioritization and bandwidth management
- **Operating distance:** up to 1KM(VDSL mode), up to 6KM(ADSL mode)
- **Compatibility:** Interoperable with all major DSLAM equipments
- **Simple set up with GUI:** GUI makes installation easier and faster
- **Support for 997 and 998 band plan:** Support the band plan G.997 and provide the symmetric transmission on both downstream and upstream. Support the band plan G.998 and provide the asymmetric: transmission on both downstream and upstream.

➤ Specifications

BASICS

IEEE Standards	IEEE 802.3, 802.3u, 802.3ab
VDSL/VDSL2 Standards	ITU-T G.993.1(VDSL) ITU-T G.993.2(VDSL2) (Profile 8a, 8b, 8c, 8d, 12a,12b,17a, 30)
ADSL Standards	Full-rate ANSI T1.413 issue 2 ITU-T G.992.1 (G.dmt), supporting Annex A or B ITU-TG.992.2 (G.lite), supporting Annex A or B
ADSL2 Standards	ITU-T G.992.3 (G. dmt.bis), supporting Annex A or B, Annex L and Annex M ITU-T G.992.4 (G.lite.bis), supporting Annex A or B
ADSL2+ Standards	ITU-T G.992.5, supporting Annex A or B, Annex L and Annex M
Speed	Downstream: up to 100Mbps; Upstream: up to 100Mbps
Operation Modes	VDSL Modem, Integrated with Wireless Router/AP, 4 Port Switch
WAN Connection Types	DHCP Client /Static IP /PPPoE, PPPoA, Bridge, IPoA
DSL Feature	RJ-11 interface, K.21 compliant, 6KV lightning protection PTM and ATM mode including dual latency Both Annex A and Annex B including dual latency Diagnostics mode/DELT Bitswaps, SRA and SOS/ROC, Virtual Noise FEXT equalized UPBO INM PhyR and G.INP (framing type 1) G.vector

WIRELESS

Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.4Ghz-2.462Ghz
Speed	2T2R Up to 300Mbps
Transmit Power(EIRP)	<20dBm
Wireless Security	64/128-bit WEP/WPA-PSK/WPA2-PSK/TKIP/AES Multi-SSID Access Control List Hide Access Point Clients Isolation Disable WMM Advertise Enable Wireless Multicast Forwarding (WMF) Wireless Bridge MAC Filter

SOFTWARE

Function Features	Static Route, Dynamic RIPv1, RIPv2 support DMZ support NAT Application Level Gateway for popular applications DHCP Server/Relay/client DNS Relay Agent/DDNS support PPP Auto Reconnect on WAN Access/PPP IGMP snooping v1/2 and IGMP Multicast IPv4 and IPv6 dual stack
Security Support	URL filter PAP/CHAP for PPP mode NAT for Firewall SPI Firewall 2 Level (User/Admin) Authentication to Router IP and MAC Filtering
Management Support	Web Based GUI FTP /HTTP/Telnet/TR069 /SNMP v1/v2/v3 Command Line Interface and series console access Diagnostic Test Firmware upgrade-able Supports Remote Access Control
ATM, PTM and PPP Features	RFC2684 /2364 /2516 /2225 /1577 /148 /1483 /2684 ATM Forum UNI 3.1/4.0, ATM Adaptation Layer Type 5-AAL5 VPI Range (0-255) and VCI range (32-65535) UBR, CBR, VBR-rt, VBR-nrt F4/F5 OAM Loopback AIS and RDI OAM cells Supports 16 PVCs
VPN	IPSec /PPTP /L2TP pass through
Port Forwarding	Virtual Server, Port Triggering, DMZ, ALG, UPnP
Dynamic DNS	DynDns, NO-IP
DHCP	Server, Client, DHCP Client List Address Reservation, DHCP relay
QOS	Priority Queuing Classification Rules Support for DiffServ (DSCP) 802.1p

HARDWARE

Physical Interface	4 10/100Mbps RJ45 Ports for LAN, 1 10/100/1000Mbps Port for WAN 1 DSL RJ11 port 1 USB 2.0 Ports
Buttons	1 Power ON/OFF Button 1 WPS Button 1 Reset Button
Power	Input: 100-240V AC,50Hz Output: 12V/1A
LED Indicators	Power,GE,LAN1/2/3/4,WLAN,DSL,INET,WPS
USB sharing	Samba(Storage)/FTP Server/Media Server/Printer Server
Antenna	Two internal Antennas, MIMO 3dBi (default)
Processor	RTL8685P+RTL8192ER+RTL8275S
Memory	4MB flash and 64MB RAM

OTHERS

Operation System	Windows 7,8,XP, VISTA/Macintosh/Linux
Package Content	Power Adapter x 1, Installation Manual x 1, RJ11 Cable x 1 RJ45 Cable x 1, External Splitter x 1,
Environment	Operating Temperature: 0°C~40°C(32~104°F) Storage Temperature: -30°C~60°C(-22~140°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Dimension	9.05*5.51*2.09 in (230 x 140 x 53 mm)
Weight	0.77 lbs (350 g)
Warranty	One year

Interface:



Package Content:

