

# 150Mbps Wireless ADSL2+ Modem Router

## KW5819

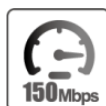
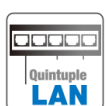
### ★ Features

- All-in-One – ADSL2+ modem, NAT router, 4-port switch and wireless N access point in one device provides an one-stop networking solutions
- DSL Speed – Downstream rates up to 24Mbps and upstream rates up to 3.5Mbps
- Operating Distance – Up to 5KM
- 150Mbps Wi-Fi – Wireless N speed up to 150Mbps makes it ideal for applications like video streaming, online gaming and browsing websites
- External 3dBi Antenna – 1T1R deliver the best wireless signal, provide maximum wireless coverage and reliability
- WPS Button – Easily setup a WPA encrypted secure connection at a push of the WPS button
- Guest Network – Create a completely separate Wi-Fi network for your guests' devices, ensuring they do not have access to your home network or to the shared USB hard drive with all your personal data
- 4 Fast LAN Ports – Fast Ethernet ports to extend the LAN to more devices and further distances
- Parental Control –Allows parents or administrators to establish restricted access policies for children or staffs
- QoS – Quality of Service control for traffic prioritization and bandwidth management
- TR-069 – Manage settings and updates remotely from any end equipment
- Compatibility – Interoperable with all major DSLAM equipments
- IPv6 Support – Satisfy customer's requirement for next generation network



### ★ Description

The KW5819 Wireless N ADSL2+ Modem Router is an All-in-One device that combines the functions of a high speed DSL modem, a 4-Port 10/100Mbps NAT router and a wireless access point. Supporting the latest ADSL standards, it is designed to give you a one-stop solution to acquire and share high speed Internet access over a wired/wireless network. With its one external high gain antenna is made for middle-sized home, its high performance and stability answers consumer's request for strong signal and wide coverage.



## ★ Specifications

**BASIC**

IEEE Standards	IEEE 802.3, 802.3u
ADSL2+ Standards	ITU-T G.992.5
ADSL2 Standards	ITU-T G.992.3 (G. dmt.bis) ITU-T G.992.4 (G.lite.bis)
ADSL Standards	Full-rate ANSI T1.413 issue 2 ITU-T G.992.1 (G.dmt) ITU -TG.992.2 (G.lite)
Speed	Upstream: up to 3.5Mbps; Downstream: up to 24Mbps
Operation Modes	ADSL2+ Modem Router, 4 Port Switch, Access point
WAN Connection Types	DHCP /Static IP /PPPoE /PPPoA /IPoA /Bridge

**WIRELESS**

Wireless Standard	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Wireless Speed	11n speed up to 150Mbps (dynamic)
Wireless Frequency Range	2.4GHz-2.4835GHz
Transmit Power	<20dBm(EIRP)
Wireless Security	64/128-bit WEP/WPA-PSK/WPA2-PSK/TKIP/AES
Wireless Features	Enable/Disable Wireless Radio, Multi-SSID, WDS, Access Control List, Wireless MAC Filtering Hide Access Point, Clients Isolation, WMM, Enable Wireless Multicast Forwarding (WMF)

**SOFTWARE**

ATM /PPP Protocols	RFC2684 /2364 /2516 /2225 /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
Function Features	Static Route, Dynamic RIPv1, RIPv2 support MTU Adjustment Network Address Translation (NAT) PVC Port Mapping(Ethernet ports) NAT Application Level Gateway for popular applications DNS Relay Agent/DDNS support PPP Auto Reconnect and configurable timeouts PPP Auto Reconnect on WAN Access/PPP on Demand IGMP Snooping v1/2 and IGMP Multicast ALG for SIP and H.323
DHCP	Server, Client, DHCP Client List, Address Reservation, DHCP Relay
Security Support	Parental Control PAP/CHAP for PPP mode NAT for Firewall , SPI Firewall Denial-of-service (DoS) protection ALG (Application-level gateway) for NAT/PAT support 2 Level (User/Admin) Authentication to Router IP and MAC Filtering
Management Support	Web Based GUI FTP /HTTP /Telnet /TR069 CWMP /SNMP v1/2c Command Line Interface Diagnostic Test Firmware upgrade-able Supports Remote Access Control
VPN	IPSec /PPTP /L2TP pass through IPSec VPN, PPTP/L2TP/GRE VPN Client
Port Forwarding	Virtual Server, Port Triggering, DMZ, ALG, UPnP
Dynamic DNS	DynDns, NO-IP
QoS	Priority Queuing, Classification Rules, 802.1p
IPv6	IPv4 and IPv6 dual stack

## ★ Specifications

### HARDWARE

Physical Interface	4 x 10/100Mbps RJ45 LAN Port 1 x DSL RJ11 Port 1 x Power Interface
Buttons	Power /WPS /Reset /WiFi
LED Indicators	Power, LAN1/2/3/4, WLAN, DSL, INET, WPS
Antenna	One external 3dBi antenna, MIMO
Power	Input: 100-240V AC,50Hz; Output: 12V/0.5A
Processor	RTL8676SVA1+RTL8188ER+RTL8271
Memory	2MB flash and 8MB RAM

### OTHER

Operation System	Windows 7,8,XP, VISTA/Macintosh/Linux
Environment	Operating Temperature:-10°C~55°C(14~131°F) Storage Temperature: -30°C~60°C(-22~140°F) Operating Humidity: 5%~95% non-condensing Storage Humidity: 5%~90% non-condensing
Dimension	6.69*4.33*1.18 in (170*110*30mm)
Weight	0.88 lbs (400 g)
Package Content	1 x KW5819, 1 x Power Plug, 1 x External Splitter 1 x RJ11 Cable, 1 x RJ45 Cable, 1 x Installation Manual

## ★ Diagram

