

## ***KW5813 300Mbps Wireless N 4-Ports ADSL2+ Router***



### ***Features***

- **ADSL&ADSL2/2+ Support**
- **802.11b/g/n Wireless AP integrated**
- **Wireless Link Rate up to 300Mbps**
- **Built-In 4-Ethernet Ports Switch**
- **2T2R External Detachable Antennas**
- **Quick Setup Wizard CD Attached**
- **Advanced Broadcom Solution based**
- **Support Port Mapping**
- **TR-069 Compliant**
- **Support Annex M and Annex L**

## *Specification*

### **ADSL Features**

- Full-rate ANSI T1.413 issue 2
- ITU-T G.992.1 (G.dmt), supporting Annex A or B
- ITU-T G.992.2 (G.lite), supporting Annex A or B
- 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
- ITU-T G.992.5 (ADSL2+), supporting Annex A or B, Annex L and Annex M
- ITU-T G.994.1 (G.hs)
- Operating distance up to 5km
- Data Transmission Rate
  - Upstream: Up to 3.5Mbps (With Annex M enabled)
  - Downstream: Up to 24 Mbps.
- Rate Adaptive at 32 Kbps steps
- Interoperable with all major DSLAM equipments

### **ATM and PPP Features**

- RFC2684 Bridge and Routed LLC& VC
- RFC2364 PPP over ATM ALL5
- RFC2516 PPP over Ethernet
- RFC2225/RFC1577 Classical IP over ATM
- RFC1483 Transparent Bridge
- RFC 1483/2684 Bridged Ethernet
- 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

### **Wireless Features**

- Complies with IEEE 802.11n IEEE 802.11g and IEEE 802.11b
- 11n: Up to 300Mbps (dynamic)
- Provides WPA/WPA2 and WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security
- Multi SSID
- Access Control List
- Provides 64/128-bit WEP encryption security
- Wireless operating range: Indoor up to 100m, Outdoor up to 300m
- Wireless transmit power: 20dBm
- Antenna power: 3dBi

### **Network Protocols**

- Static IP, Dynamic RIPv1, RIPv2 support
- MTU Adjustment

- Network Address Translation (NAT)
- PVC Port Mapping (Ethernet ports)
- Port Forwarding
- NAT Application Level Gateway for popular applications
- DHCP Server/Relay/client
- DNS Relay Agent
- DMZ support
- DDNS support
- SNMP v1, v2 support
- UPnP (Universal Plug and Play)
- TR069 CWMP
- PPP Auto Reconnect and configurable timeouts
- PPP Auto Reconnect on WAN Access/PPP on Demand
- IGMP v.1/v.2 snooping
- IGMP Multicast Support
- ALG for SIP and H.323

### Management Support

- Web Based GUI
- Upgrade or update via FTP/HTTP
- Command Line Interface via serial interface or Telnet
- Diagnostic Test
- Firmware upgrade-able for future feature enhancement
- Supports Remote Access Control

### Security support

- PAP/CHAP Authentication for PPP mode
- NAT for basic Firewall support
- State Packet Inspection (SPI) for Firewall with denial-of-service (DoS) protection
- ALG (Application-level gateway) for NAT/PAT support
- 2 Level (User/Admin) Password Authentication to Router
- IP Filtering
- MAC Filtering
- Parental control

### VPN Pass-Through

- IPSec/PPTP/L2TP Pass-through

### QoS

- Classification Rules
- Priority Queuing
- 802.1p

## Operating System Support

- Windows 98 / 98 SE, 2000, ME, XP, NT, Vista, 7
- Macintosh
- Linux

## Ports

- 1 DSL Line Port (RJ11)
- 4 10/100M LAN Ports (RJ45)(MDI/MDIX)

## LED Indicators

- PWR,LAN1-4,WLAN,DSL,INET

## Environment

- Operating Temperature: 0°C~40°C
- Storage Temperature: -30°C~60
- Operating Humidity: 10%~90% non-condensing
- Storage Humidity: 5%~90% non-condensing

## Accessories

- |                     |     |
|---------------------|-----|
| ■ RJ11 cable        | x 1 |
| ■ RJ45 cable        | x 1 |
| ■ External splitter | x1  |
| ■ Power Adapter     | x 1 |
| ■ User manual       | x 1 |
| ■ Installation CD   | x 1 |