



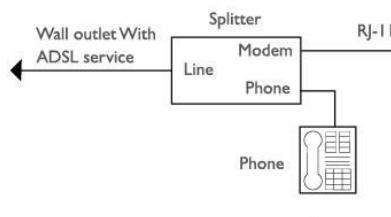
We Make Connecting Easy!

**KW58283**

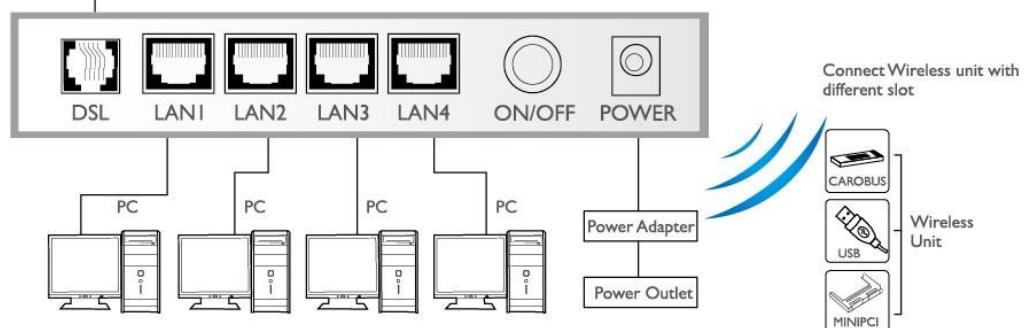
**300Mbps Wireless N 4-Ports ADSL2+ Modem Router**

## Features

- Support ADSL, ADSL2/2+ Standards
- Compliant to 802.11b/g/n WiFi Standards
- Built-in Type 2T2R 3dBi Antennas
- Wireless Link Rate up to 300Mbps
- Integrated with 4-Fast Ethernet LAN Ports
- USB2.0 Host Port for Printer Server
- ADSL Port for Telephone Line Access
- High Reliability based on Broadcom chipset
- Support ADSL & Ethernet Dual-WAN Access
- One On/Off Power Switch Button
- One External Reset Button
- One External WPS Button
- Support Annex M and Annex L
- Integrated with TR-069 Client
- Support Port Mapping function
- Quick Setup Wizard for easy Installation
- Support IPv4&IPv6 dual stacks (Optional)
- Compact Design to save more space for you



## Application Diagram



## Specifications

### ADSL Features

- ✓ 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
- ✓ 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
  - Downstream: Up to 24 Mbps
- ✓ Rate Adaptive at 32 Kbps steps
- ✓ Interoperable with all major DSLAM equipments

### ATM and PPP Features

- ✓ RFC2364 PPP over ATM
- ✓ RFC2684 Bridge and Routed LLC& VC
- ✓ RFC2516 PPP over Ethernet
- ✓ RFC2225/RFC1577, Classical IP over ATM
- ✓ RFC 1483/2684 Bridged Ethernet
- ✓ RFC1483 Transparent Bridge
- ✓ 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: Min:14dBm;Max:17dBm
- ✓ Internal 2T2R 3dBi Antennas
- ✓ Power Step Size:0.5dBm

### Network Support

- ✓ 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/TFTP
- ✓ 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
- ✓ Stateful 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

### Hardware Interface

- ✓ 4 10/100M LAN Port (RJ45) (MDI/MDIX)
- ✓ USB 2.0 Port (optional)
- ✓ 1 Line Port (RJ11)

### LED Indicators

- ✓ PWR, ETH1-4, WLAN, DSL, INET,USB,WPS

### Environment

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

### Accessories

- ✓ RJ11 cable .....x 1
- ✓ RJ45 cable .....x 1
- ✓ Power Adapter .....x 1
- ✓ External splitter .....x 1
- ✓ Installation CD.....x 1

Your Reliable Broadband CPE  
Products Partner

## Our Focus:

**ADSL & VDSL CPEs**  
**Residential Gateways**  
**Fiber ONT & ONU**  
**WiFi Router & Access Point**  
**PLC Modem Router**  
**3G/LTE Products**  
**Android Based TV STB**



### Concentration

Dedicated in broadband CPE field.  
One of the major Broadband CPE manufacturer in China, providing a complete CPE solutions.  
Be well knowledgeable about the Telco demand, offering tailored-to-the-need product and OEM/ODM service to Telco customer.  
Treasure the user experiences and demand, and strive to realize the customer value

### Manufacturing Capacity

The SMT factory and assembly factory operating separately and professionally to concentrate itself at a specific area:

1. Achieve precise quality control and higher efficiency management.
2. Quick response and more flexible production capacity to accommodate small and huge order quantity demand.
3. Efficient cost reduction control with well supply chain management

### R&D innovation

- > Over 15 years professional experiences in the broadband CPE technologies.
- > Complete in-house R&D system including ID, mechanical, Hardware, software and etc
- > Quick response to customer, offering a unique customization service.



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