WIRELESS
Broadband Router & Gateway

Kasda®
Networks with Innovation

KW52283 VDSL Wireless Modem Router

802.11n Wireless VDSL2 Router, KW52283, applies 2T2R MIMO antenna technology and provides office and residential users with the ideal solution for sharing a high-speed VDSL2 broadband connection and four-10/100Mbps Fast Ethernet backbone, There is also another Gigabit WAN port for Internet access. The KW52283 is developed with three core networking technologies: IEEE 802.11b/g/n, Ethernet and VDSL2. Via VDSL 2 technology, the KW52283 offers very high performance access to Internet, up to 100Mbps for downstream data transmission and 50Mbps for upstream data transmission. VDSL2 offers the absolutely fastest data transmission speed over existing copper telephone lines without the need for rewiring.

Features

>VDSL fall back to ADSL2/2+ automatically

>1 Gigabit Ethernet as second WAN access

>2T2R wireless transmission speed up to 300Mbps

>WPS Button for users to easily connect to wirless network

>Built-in 4-Port Switch to extent LAN

>TR-069 remote management

>IPv4/IPv6 dual stack

>1 USB 2.0 port for file and printer sharing

Physical Interface

➢ 4 Fast Ethernet LAN Ports

➢ 1 Gigabit Ethernet WAN Port

➢ 1 RJ11 DSL WAN Port

➢ 1 USB Host Port

➢ 1 WPS Button

➢ 1 Reset Button

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
- 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.993.2(G.vdsl2) (Profile 8a, 8b, 8c, 8d, 12a,12b,17a)
- ITU-T G.994.1 (G.hs) and G.993.1 VDSL
- Support Band Plan 997 and 998
- Data Transmission Rate
- Upstream: Up to 50 Mbps
- Downstream: Up to 100 Mbps.
- Rate Adaptive at 32 Kbps steps
- Interoperable with all major DSLAM equipments

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 and Support IGMP Multicast
- ALG for SIP and H.323

VPN Pass-through:

- IPSec/PPTP/L2TP Pass-through

QOS:

- Priority Queuing
- Classification Rules
- 802.1p

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:

Wireless Features：

- Complies with IEEE802.11n, 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

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
- Supports 16 PVCs

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 and MAC Filtering
- Parental control

LED Indicators:

- PWR, GE,LAN1,LAN2,LAN3,LAN4,WLAN,DSL, INET,WPS,USB

- RJ11 cable 1.5m   x 1
- RJ45 cable 1.5m   x 1
- External splitter   x 1
- Power Adapter   x 1
- Installation Manual   x 1

Operation System Support:

- Windows 98 / 98 SE, 2000, ME, XP, VISTA,7,8
- Macintosh
- Linux

KASDA Digital Technology Co.,Ltd

Add: 31#,B Zone, Tanglang Industry Park, Taoyuan Street,Zone Xili

Nanshan District, Shenzhen ,China

Tel: 86-755-86096041 86-755-86096643

E-mail: sales@kasda.cn info@kasda.cn   Technical Support: admin@kasda.cn