

KW5812 802.11b/g/n Wireless 4-Ethernet Ports ADSL2/2+ Router/Modem



Benefit

High-Speed & Superior Coverage

Kasda ADSL2+802.11n Router integrates the ADSL2+ and wireless 802.11n draft 2.0 technologies, offering a high-speed wireless data rate up to 300mbps and superior wireless coverage

Enhance Network Security

Kasda 11N Router supports the latest wireless security standards features of WEP, WPA, and WPA2 etc and utilizes the Dual Active Firewalls (SPI and NAT) to prevent potential attacks from across the Internet.

Easy-Install & Configure

KASDA Easy-Install & Configuration software can make user easily configuring modem and monitoring modem's status without accessing modem's configuration page

Specification

Standards

- ANSI T1.413 issue 2
- ITU G.992.1 (G.dmt)
- ITU G.992.2 (G.lite)
- ITU G.994.1 (G.hs)
- ITU G.992.3(G.DMT.BIS)
- ITU G.992.5

- IEEE802.3
- IEEE802.3u
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (Draft)

Network Protocols

- DHCP
- SNMP
- UPnP
- PPPoE
- PPPoA
- Syslog

Transport Protocols

- TCP/IP
- NetBEUI
- AppleTalk / EtherTalk

Ports

- 4-10/100 ETH Ports (MDI/MDIX)

LEDs

- PWR
- DSL
- INET
- WLAN
- ETH1-4

Device Management

- Telnet
- HTTP Web Management
- TFTP for Firmware Upgrade
- TR-069

Wireless Signal Rates

54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, 1

20 MHz BW: 144, 130, 117, 104, 78, 52, 39, 26, 13

40 MHz BW: 300, 270, 243, 216, 162, 108, 81, 54, 27

Media Access Control

CSMA/CA with ACK

DHCP

Server and Client

Routing Protocols Supported

TCP/UDP, ARP, RARP, ICMP, DHCP, DNS, RIPv1 (RFC 1058), RIP v2 (RFC1389), IGMP, PPPoE, IGMP, P2PP

Security

- 64/128/256-bit WEP
- WPA—Wi-Fi Protected Access (TKIP, MIC)
- WPA-PSK (Pre-Shared Key)

Radio and Modulation Type

- IEEE 802.11b: DQPSK, DBPSK, DSSS, and CCK
- IEEE 802.11g: BPSK, QPSK, 16QAM, 64QAM. OFDM

Channels

- 11 Channels (US)
- 13 Channels (Europe and Japan)

Wireless Frequency Range

- 2400 ~ 2484.5 MHz ISM Band

Modulation Technology

- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)
- Packet Binary Convolutional Code (PBCCTM)

Wireless Operating Range

- Indoors: Up to 328 feet (100 meters)
- Outdoors: Up to 1,312 feet (400 meters)

VPN Pass Through

- L2TP
- PPTP
- IPSec

Power

- Output: 12V AC, 1A
- Max Power Consumption: <10W

Operating Temperature

32°F to 131°F (0°C to 55°C)