KW5262

Ultra-high Data Rate at Up to 100Mbps

With up to 100Mbps* for downstream and upstream bandwidths, the KW5262 offers higher data transfer rates and provides higher bandwidth than traditional ADSL gateways. A higher bandwidth allows small to medium business users to enjoy quality symmetric and asymmetric applications and home users can enjoy smooth media-rich entertainment which was previously unavailable.

Advanced QoS for Triple Play Services

The inherent advanced QoS features of VDSL2 makes KW5262 to be an idea access modem for service provider to deliver "triple play" multimedia services such as high-quality digital video streams, high-speed Internet access, and voice services which are competitive to the services provided by cable and satellite operators. Besides, with the Triple Play QoS, end users can enjoy the video-on-demand, on-line gaming, and E-learning with high-quality performance in the household.

Operate Over Existing Copper Wires

Telecom carriers can generate revenues by offering bundled services to successfully compete with what cable operators have to offer. A single network can be maintained to provide complete DSL services with minimal installation time and expense.

Co-exist with POTS, ISDN and Digital Phone Services

VDSL2 can be implemented quickly, even if there is only one phone line. You can still keep existing POTS or ISDN services while adding new VDSL services.

Specification

VDSL and 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.993.2(G.vdsl2) (Profile 8a, 8b, 8c, 8d, 12a,12b and 17a)
- ITU-T G993.1(VDSL) and G.994.1 (G.hs)
- Operating distance up to 5km
- Data Transmission Rate Upstream: Up to 50Mbps
                         Downstream: Up to 100Mbps.
- Rate Adaptive at 32 Kbps steps

- Interoperable with all major DSLAM equipments
- Support Band Plan 997 and 998 and 3/4/5/6 band

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

Voice Features

- SIP (RFC 3261)
- SDP (RFC 2327)
- RTP (RFC 1889)
- RTCP (RFC 1890)
- Echo Cancellation: G.168
- VAD (Voice Activity Detection)
- Silence Suppression
- CNG (Comfort Noise Generation)
- Codec: G.711, G.723.1, G.726, G.729.A, G.722, G.722.2
- DTMF Detection and Generation
- Multiple SIP Numbers Support
- T.38 Fax Relay

Phone Features

- Call Waiting
- Call Forwarding (Unconditional/Busy/No Answer)
- Call Transferring
- Three Way Conference
- Call Block
- DND (Do Not Disturb)
- MWI
- Call Barring
- Anonymous Call Blocking
- Anonymous Calling

Wireless Features

- Complies with IEEE 802.11n, IEEE 802.11g and IEEE 802.11b
- 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 VDSL Line Port (RJ11)
- 2 FXS Ports (RJ11)
- 4 10/100M LAN Ports (RJ45)(MDI/MDIX)
- 1 USB2.0 Host Port for printer

LED Indicators

- PWR,LAN1,LAN2,LAN3,LAN4,VoIP1,VoIP2,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
- Antenna   x2
- Base   x1
- Installation Manual   x 1