

X5671 VDSL2/ADSL2+ Wireless router

VDSL2 router with wireless access



The X5671 is a VDSL2 based CPE with fall back on ADSL2+ and built in router and bridge functions. X5671 features one VDSL2/ADSL2+ WAN, four LAN ports and wireless 802.11g. By offering the flexibility to service provider with one model that fits different kind of VDSL2/ADSL2+ applications, the X5671 delivers the convenience, efficiency and innovation of a copper wire to it's customers.

Features

- Supports up to VDSL2 data rate with 100 Mbps
- Supports up to ADSL2+ (G.992.5) with 28 Mbps downstream and 2* Mbps upstream rates (* under Annex M mode, actual performance may vary depending on the network configuration and conditions).
- Supports fall back to ADSL2+ if VDSL2 training fails
- Integrated four-port Ethernet switch with automatic speed sensing and crossover correction
- 802.11b/g WLAN supports up to 54 Mbps transmission rate (optional)
- Secure transmitting encryption by either 802.1x; WEP; WEP2; WPA; WPA2; TKIP; AES; 802.11i
- Supports Networking protocols such as PPP, NAT, Routing, DHCP server / relay / client
- Configuration and management by Web-browser through the Ethernet interface and remotely through VDSL2/ADSL interface
- Firmware upgradeable through HTTP / TFTP / TR-069
- Supports TR-069 management



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Specifications, hardware

Local Interface

- Four 10/100 Base-T Ethernet ports in RJ-45 connector, comply with IEEE 802.3u
- Integrated 802.11g WLAN Access Point with external antenna, backward compatible with 802.11b

WAN Interface

- 2-wire loop with 100 ohms line impedance in RJ-11 connector
- G.994 compliant
- G.992.1 (G.dmt) – Annex A, B, and C compliant
- G.992.2 (G.lite) – Annex A and C compliant
- ANSI T1.413 compliant
- G.992.3 (ADSL2) compliant, supporting Annex A, B, C, L and M
- G.992.5 (ADSL2+) compliant, supporting Annex A, B, C and M
- I.432 ATM physical layer compliant

- ANSI T1.424 Trial Use Standard
- ETSI TS101270
- ITU-T G.993.1
- IEEE 802.3ah 10 PASS TS D2.1
- China's National VDSL standards

Indicators

Front panel (all LEDs in green color)

- PWR – ON when the power supply is properly connected.
- WAN – Blinking while VDSL2/ADSL is training, and ON when ADSL link is ready.
- WLAN – Blinking while WLAN is transmitting data, and ON when WLAN port is active.
- DATA – Blinking when packets traffic is traveling from LAN to WAN.
- ALM – Blinking during re-boot.

Rear panel

- Each Ethernet port got speed (10/100) and activity indicators.

OAM&P

- Through Web browser, remotely or locally
- One hidden console port (RS-232) for maintenance

Environment

- Operation Temperature: 0°C ~ 45°C
- Operation Humidity: 5% ~ 95% (non-condensing)
- Storage Temperature: -20°C ~ +85°C
- Storage Humidity: 5% ~ 95% (non-condensing)

Power

- AC adapter: Input 120 VAC/60Hz or 230VAC/50Hz; Output 12VDC 1A
- Power consumption: Less than 10 watts

Physical Dimensions

- 220 mm × 169 mm × 42 mm (W × D × H)

Certificates

- CE, CB (TBD)

Specifications, software

ATM

- AAL0, AAL5, OAM, RM and Transparent cell types
- Traffic shaper/scheduler: priority scheduling; per-VCC queuing; UBR/CBR/VBR shaping based on Peak Cell Rate(PCR), Sustained Cell Rate (SCR), and Maximum Burst Tolerance; Minimum Cell Rate Shaping; Multi-priority AAL Queuing
- Full 24-bit Virtual Port Identifier (VPI)/ Virtual Circuit Identifier (VCI) support
- 16 Virtual Channel Connections (VCCs)

- Payload Encapsulation:
 - RFC2684 / RFC1483, Multiprotocol Encapsulation over ATM Adaptation Layer 5
 - RFC2225 / RFC1577, Classical IP and ARP over ATM (IPoA)
 - RFC2364, PPP over AAL5 (PPPoA)

Bridging

- RFC2684 / RFC1483 bridged PDU encapsulation
- Transparent bridging (IEEE 802.1D) with at least 32 MAC addresses
- Bridge filtering with per-port extensions

Routing

- RFC2684 / RFC1483 bridged and routed PDU encapsulations
- MAC Encapsulated Routing (MER)

- Supports Point-to-Point Protocol (including PPPoA and PPPoE) and user authentication via PAP, CHAP or MS-CHAP

- Routing Information Protocol (RIP) v1 and v2, static route
- DHCP client, server and relay agent
- NAT / PAT – RFC1631 with support for extensive ALGs
- DNS relay

Firewall

- NAT: 16 sessions, DMZ and ALGs
- Stateful Packet Inspection (SPI) with DOS protection - Ping of Death, SYN Flood LAND
- Protection against IP and MAC address spoofing
- UPnP NAT traversal and VPN / IPsec pass-through

Wireless

- Supports 802.1x; WEP; WEP2; WPA; WPA2; TKIP; AES; 802.11i
- Hidden SSID
- WMM for advanced Quality of Service
- AES in hardware

- 125 High Speed Mode: Standards-plus performance enhancement delivers best real-world performance as the client card use the same 125 High Speed Mode

Configuration and Network Management

- SNMP GETs, SETs and TRAPs for four groups in MIB-II
- Embedded syslog; SNMP with DHCP options
- UPnP Internet Gateway Device (IGD) compliance
- Management and configuration via Web / HTTP
- Firmware upgrade using HTTP / TFTP / TR-069
- Supports TR-069 management

Note: Not every listed feature will be included in the shipping product.

We reserve the right to make changes of technical specifications, housing or design without prior notice.



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