

Full Rate and G.Lite ADSL

KEY FEATURES

Convenient and affordable

Simple installation: USB plug-and-play

No external power supply (USB powered)

High speed access to the Internet or corporate LAN, up to 140 times faster than analog modems

Support for multimedia applications such as video conferencing, interactive gaming and video-on-demand (G.992.1 full rate only)

Ideal for Small Office/Home Office applications

Firmware upgradeable

HIGH SPEED ADSL USB MODEM WITH UP TO 8MBPS CONNECTION

The AT-AR210 ADSL USB external modem supports downstream data rates up to 8Mbps and upstream data rates of up to 1Mbps, over standard telephone lines. ADSL technology finally lets those high-bandwidth applications such as interactive gaming, streaming video and real-time audio perform as they always should have. Bulky email attachments and large file transfers are no longer an issue – it's a whole new way of working.

SIMPLE AND COMPACT

The AT-AR210 is the ideal compact, space-saving solution to provide Plug & Play high-speed Internet access for the home user and teleworker. It's easy to install and use. No external power supply is needed because the device draws its power from the PC's USB port.

Simply plug it in to the PC USB port, connect up the ADSL line, load the plug and play drivers and that's it! No opening the PC to install PC cards and no need for Ethernet hubs or NIC cards. Its an ideal worry-free solution. The AT-AR210 can be installed with similar ease for both desktop and laptop PC's.



SECURE ACCESS FOR TELEWORKERS

Teleworkers can get secure access to the corporate intranet by using a VPN (Virtual Private Network), allowing fast, safe access to shared files and email. The AT-AR210 is a versatile solution for today's changing networks.

ADSL - THE SERVICE OF CHOICE

The AT-AR210 uses the existing twisted-pair Plain Old Telephone System (POTS) to deliver high-speed access to the Internet, while maintaining standard telephone operation. ADSL (Asymmetric Digital Subscriber Line) technology is rapidly becoming the service of choice for high-bandwidth access to the home and office, allowing lightning-fast transmission of data, voice and image.

MULTI-DSLAM OPERATION

The AT-AR210 is interoperable with a wide range of major DSLAMs and provides drivers to support all major PC operating systems. The AT-AR210 is compatible with both Full Rate and G.Lite ADSL services – providing automatic detection of the service being used.

ABOUT ALLIED TELESYN

Allied Telesyn's mission is to become a leading global supplier of IP based network products, systems and services that enable our customers to build superior solutions for high-bandwidth data, voice and video in the LAN, WAN and MAN.

These customers include global systems integrators, carriers and service providers, major resellers and logistical distributors serving the needs of education, local and state Government, the military, corporate enterprise, medium and large businesses and the small and home office community.

Our technology ranges from the simplest Ethernet adapters, hubs and media converters through to the very latest in high performance IP switches and routers, wireless and IP telephony solutions, customer premises equipment for access networks and security appliances. Comprehensive service and support programs that are designed to meet the growing demands of today's switched broadband infrastructures back all Allied Telesyn products.

PRODUCT SPECIFICATIONS

ADSL/ATM Support
Full Rate External ADSL ANNEX A USB Modem
Multi-mode support: ANSI T1.413 Issue 2, ITU-T G.992.1 (G.DMT), G.992.2 (G.lite)
Using Discrete Multi-Tone (DMT) line encoding scheme
Full Rate transmission at up to 8Mbps downstream and 1Mbps upstream
G.lite transmission at up to 1.5Mbps downstream and 512kbps upstream
Unspecified Bit Rate (UBR) ATM Layer with Traffic shaping
AAL ATM Attributes - AAL5
VCI to 64K, VPI to 256, software programmable
F4/F5 OAM Send and Receive/Loopback supported
Trellis Coding and Echo Cancellation support
ITU-T K.21 population option

ENCAPSULATION SUPPORT

RFC2364 PPP over ATM
RFC1483 Bridged Ethernet over ATM
RFC1483 Routed IP over ATM
RFC2516 PPP over Ethernet

CHIPSET

ADI AD6480 52-pin TQFP/LQFP Analog IC
ADI AD6484 176-pin TQFP/LQFP DSP Digital IC
Digital Timing Recovery (eliminates need for VCXO)
Support DSP IDMA boot (no external FLASH memory or SRAM required)
EEPROM interface to set USB configuration

ADSL MODEM DRIVER SUPPORT

Windows 98 Second Edition
Windows 2000
Windows Millennium
Windows XP
Software upgradeable via driver for future feature enhancement

POWER REQUIREMENTS

3.3V, 5V tolerant I/O
2.5V core power supply
1.8W total power dissipation
Bus Powered - No external power is required
Hot Swappable Plug & Play and USB Specification 1.1 compliant

EXTERNAL CONNECTORS

1 x RJ11 Telephone socket for ADSL line
1 x RJ11 Telephone socket for Telephone Handset*
1 x USB port

DIMENSIONS

Dimension : 120 (L) x 84 (W) x 24 (H) mm
Weight : 150g

ENVIRONMENTAL TEMPERATURE

Operating
10 to 45 Celsius
50 to 113 Fahrenheit

Non-Operating
10 to 45 Celsius
50 to 113 Fahrenheit

HUMIDITY

Operating: 30% to 80% Relative Humidity (Non-Condensing)
Non-Operating : 10% to 95% Relative Humidity (Non-Condensing)

REGULATORY APPROVAL

Europe : CE (EN55022:98/EN55024: 98), IEC950

SYSTEM REQUIREMENTS

CPU : Pentium II 233 MHz or above with USB port.
Memory : 32 MB
System OS : Windows 98SE, Windows 2000, Windows ME and Windows XP
Interface : USB Port

(* requires external filter)

ORDERING INFORMATION

AT-AR210
ADSL USB Modem

Product Range: Allied Telesyn's long-term focus on price/performance networking has made it a market-leading provider of LAN, WAN and MAN network systems. Advanced Layer 3 switch and router technology perfectly complements its traditional Layer 2 switch, hub, adapter card and media conversion capabilities.

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