

AT-AR720, Modular Enterprise Access Router

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KEY FEATURES

See Feature Summary Pg. 2

EXCEPTIONAL NETWORK PERFORMANCE

Utilizing high performance RISC based technology, the AT-AR720 is the ideal unit for high throughput, fast response applications in the larger branch office or corporate site. High performance means simultaneous support for dual PRI links, 100Mbps Ethernet and value added services such as IPSec VPN and the Paladin Stateful Inspection Firewall operation.

SIMPLE PLUG-IN UPGRADE

The AT-AR720 base unit consists of a high-performance RISC processor, one 10/100Mbps Fast Ethernet port, and two asynchronous RS232 ports. With two expansion bays capable of accepting any mix of six different Port Interface Cards (PICs), the AT-AR720 offers extensive network support including multiple ISDN PRI and BRI circuits, Frame Relay, X.25, G.703/G.704, PSTN, Leased Line and Ethernet connectivity. Simple, low cost PIC upgrade protects user investment as network requirements change.

MULTIPROTOCOL ROUTING

- RIP, RIP2 and OSPF provide sophisticated network routing capabilities.
- IP, IPX, Appletalk and DECnet routing is supported as standard, as well as transparent bridging.
- IP Multihoming offers flexible LAN/WAN sub-netting.
- L2TP enables tunneling of non-IP traffic across low-cost Internet links e.g IPX.

HIGH SPEED FRAME RELAY NETWORKING

- Multiple IP addresses are supported per Frame Relay port (logical interfaces) e.g multiple user sessions.
- Full congestion control procedures limit output when Frame Relay network is busy, avoiding data discard. 'Slow Start' mechanism controls initial data transmission into network.

SECURE

- Hardware based DES and Triple DES encryption offer ultra-secure data transmission.
- Designed to the IETF IPSEC RFC's.
- Sophisticated Paladin Stateful Inspection Firewall for iron-clad session and application security.
- CLI, PAP, CHAP, RADIUS & TACACS user authentication for maximum network integrity.
- IP, IPX and Bridge filtering.



HARDWARE DATA COMPRESSION OPTION

- To maximize data throughput at higher line speeds, an optional hardware-based STAC LZS compression module is available, offering up to 8:1 data compression at higher line speeds where software based compression is less effective. Traffic Shaping and Quality of Service (QoS)
- Advanced traffic shaping features such as RSVP (Resource reSerVation Protocol) and BACP (Bandwidth Allocation Control Protocol) ensure support for future multimedia applications.
- Policy Routing allows data to be routed based on traffic type (e.g WWW versus FTP), type of WAN link, source/destination etc.

CONFIGURATION AND MANAGEMENT

- Full remote management is supported across the LAN and WAN.
- The Secure Shell (SSH) package for Windows provides authenticated and encrypted secure remote management. SSH clients are available from third parties.
- SNMP, MIB II and Enterprise MIB are supported.

ABOUT ALLIED TELESYN

Allied Telesyn leads the world in network technologies for the access edge. Since the company's inception in 1987, Allied Telesyn has been developing IP-based network products for use in video, voice and data networks at the metro edge, in education, government agencies and across the enterprise. Allied Telesyn's access, aggregation and core transport technologies range from simple Ethernet adapters, hubs and media converters to robust multi-layer Gigabit Ethernet switches and routers, wireless systems, DTM and WDM transport solutions for delivering real-time voice, video and data. Allied Telesyn's comprehensive support and professional service programs are suited to meet the growing demands of today's switched broadband infrastructures.

SERVICE & SUPPORT

Allied Telesyn provides value-added support services for its customers under its Net.CoverSM programs. For more information on Net.CoverSM support programs available in your area, contact your Allied Telesyn sales representative or visit our website.

www.alliedtelesyn.com

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POWER CHARACTERISTICS

Input Voltage 100-240VAC, 50-60Hz, 10W
Max Power Consumption 25W, 2A
Integral universal power supply

PHYSICAL CHARACTERISTICS

Dimensions 44cm x 31cm x 6.5cm
17.3" x 12.2" x 2.56"
Weight 4.5kg (9.92lbs)

ENVIRONMENTAL CHARACTERISTICS

Operating Temp. 0°C to 40°C (32°F to 104°F)
Relative Humidity 10 - 95% non-condensing
Rear mounted cooling fan

ELECTRICAL/MECHANICAL APPROVALS

EMI to CISPR 22 class A and IEC801
EN60950 safety approval

HARDWARE FEATURES

	Fixed Ports/Base Unit	Optional PIC Module
10/100Mbps Fast Ethernet	1	-
Asynchronous Interface (RS232)	2	4 or 8
Port Interface Card Slots	2	-
Mini Accelerator Card Slot	1	-
10Mbps Ethernet	-	1 or 2
Synchronous Interface	-	1 or 2
ISDN BRI (u)	-	1 or 2
ISDN PRI, T1/E1/G.703	-	1 or 2
T1/E1/G.703	-	1 or 2

FEATURE SUMMARY

Dial-up Networking	Call Line ID Dial-on-Demand CLI Callback MPP/BACP/BAC/AODI SYNC up to 2 Mbps E1/T1/G.703 Unchannelized E1/T1/G.703 Channelized IP IPX/SPX AppleTalk IPX/SPX Spoofing Static Routes RIP OSPF Frame Relay X.25 DecNetIV Asynchronous Serial Ports with Routing Support Spanning Tree Bridge STAC Compression IP Multihoming Dynamic IP Assignment DHCP PAP/CHAP Authentication RADIUS/TACACS Authentication NAT Network Address Translation Packet Filtering L2TP Access Concentrator L2TP Network Server Paladin Stateful Inspection Firewall Hardware DES Encryption (optional) Triple DES Encryption (optional) IPSec IKE SSH Secure Shell for Remote Mgt Traffic Shaping and QoS Packet Priority RSVP Console Port Command Line Interface (CLI) Telnet Web Browser SNMP
Leased Line	
LAN Protocols	
Routing Protocols	
WAN Protocols	
Remote Access Dial-in Support	
Lan Bridging Compression IP Address Management	
Authentication	
Tunneling & Security	
Configuration & Management	

ORDERING INFORMATION

AT-AR720-xx
Leased line and Frame Relay access router

Where xx = 10 for U.S. power cord
20 for no power cord
30 for U.K. power cord
40 for Australia power cord
50 for Europe power cord

Plug-In Card (PIC) Options

AT-AR020 Single E1/T1 Primary Rate ISDN
AT-AR021 (u) Single Basic Rate ISDN
AT-AR022 Single 10Mbps Ethernet
AT-AR023 Single Synchronous to 2Mbps
AT-AR024 Four Asynchronous to 115Kbps
AT-AR026 Four 10/100 Fast Ethernet ports

Options

AT-AR010 EMAC
Provides hardware-based DES
and 3DES encryption

AT-AR011 ECMAC
Provides hardware-based DES
and 3DES encryption,
hardware-based compression

AT-AR012 CMAC
Provides hardware-based STAC compression

AT-AR013 3DES
Triple DES encryption (software option)

AT-AR014 Firewall
Stateful inspection firewall (software option)

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 **Allied Telesyn**
Simply connecting the IP world