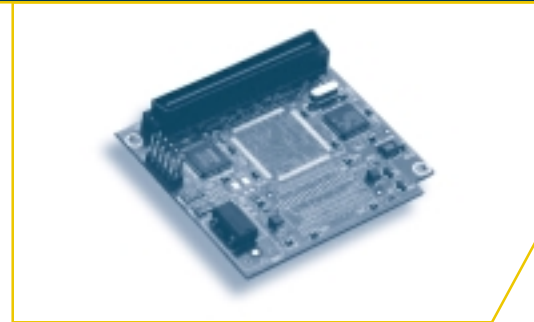


## AT-AR011i & AT-AR061, Encryption/Compression Cards

**AT-AR011i**, Hardware-based encryption/compression card

**AT-AR061**, Hardware-based encryption/compression card



### KEY FEATURES

**High Speed DES & 3DES VPN Encryption**

**Network data security through advanced cryptography**

**Support for up to 2,048 encryption channels**

**Lempel-Ziv data compression hardware**

**Multi-channel encryption over Ethernet, ISDN, G.703, Frame Relay, X.25, leased lines & PSTN**

**Provision of IPSec**

**Encryption for internetworks using TCP/IP, IPX, Appletalk, DECnet (IV) or any bridged protocol**

### HARDWARE BASED DATA ENCRYPTION & COMPRESSION

For commercial, banking and financial institutions wishing to link remote networks together, or for remote VPN connections, Allied Telesyn MAC and PAC cards offer new levels of security unmatched in any other router or Layer 3 switch-based security system. Using an Allied Telesyn AR-series router or Rapier Layer 3 switch fitted with an encryption/compression card, classified information from security sensitive applications can be fully encrypted using the latest cryptographic techniques before transmission across the LAN or WAN, ensuring the integrity and confidentiality of the data. MAC and PAC cards can be fitted directly into AR-series routers and Rapier Layer 3 switches to provide integrated, high performance, hardware-based compression and DES/3DES encryption on all validated PPP and Frame Relay links.

Dedicated 32-bit encryption and compression processors offer high speed, secure encryption and compression without affecting the overall performance of the router or Layer 3 switch. In combination, an extra level of security is added – encrypted data is even harder to crack if it is first randomized by the compression process. In short, Allied Telesyn's MAC and PAC-based encryption provides the safest data transmission between networks at the lowest connection cost.

### HIGH SPEED VPN ENCRYPTION

Up to ten times faster than well known software algorithms, Allied Telesyn's MAC and PAC-based encryption is fast! Because the encryption is performed on a dedicated encryption coprocessor, the router or Layer 3 switch can maintain maximum VPN speeds even when the CPU is under heavy demand from Stateful Inspection and IPSec rule processing. Up to 1,024 encryption channels can be supported on the AT-AR400 and AT-AR700 series routers, and up to 2,048 on the Rapier line of layer 3 switches.

### SIMPLIFIED NETWORK DESIGN

No longer are expensive dedicated link encryptors required for each local or wide area connection. Simply install the MAC or PAC card into your AR-series router or Rapier Layer 3 switch, and all local and wide area connections can be simultaneously encrypted using different cypher keys.

### KEY MANAGEMENT

Since all wide area traffic passes through a Layer 3 device, this is an ideal place to locate the complex hardware required to provide secure data encryption. In addition, the cost of supporting an encrypted network is reduced by integrating the complex key management procedures into the AR-series router and Rapier management systems.

### HIGH PERFORMANCE

Dedicated hardware provides high speed integrated data compression, thus maximizing the bandwidth available across ISDN and leased lines, while minimizing the impact on the router's or Layer 3 switch's core functions. Allowing more data to be transmitted in a shorter time period, the compression engine frees up bandwidth and decreases ISDN connection charges. Hardware compression is compatible with the software compression supplied as standard on all Allied Telesyn routers and Layer 3 switches.

### PRODUCT COMPATIBILITY

#### AT-AR011i MAC Card:

AT-AR300 Series, AT-AR410, AT-AR720, AT-AR740

#### AT-AR061 PAC Card:

AT-AR725, AT-AR745, AT-Rapier 24, AT-Rapier 24i, AT-Rapier G6, AT-Rapier G6F

### 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.Cover<sup>SM</sup> programs. For more information on Net.Cover<sup>SM</sup> support programs available in your area, contact your Allied Telesyn sales representative or visit our website.

[www.alliedtelesyn.com](http://www.alliedtelesyn.com)

## ACCELERATOR CARDS

 Allied Telesyn

## AT-AR011i & AT-AR061, Encryption/Compression Cards

### DEDICATED HARDWARE

- Complete network data security using advanced cryptography
- 56-bit CBC and Triple DES encryption
- Data compression
- Multiple channel encryption and compression

### LINK ENCRYPTION

- Up to 2,048 simultaneous encrypted and/or compressed links
- Encryption for internetworks using TCP/IP, IPX, Appletalk, DECnet or any bridged protocol
- Sophisticated key management for distributed networks
- Available over ISDN, G.703, Frame Relay, X.25, leased lines and PSTN

### PAYLOAD ENCRYPTION

- Creates secure Virtual Private Networks (VPNs)
- Security Associations (SAs)
- Securely connects TCP/IP-based networks
- Intranets and extranets over the Internet
- Available over ISDN, G.703, Frame Relay, X.25, leased lines and PSTN

### DATA COMPRESSION

- Simultaneous data compression for both link and payload encryption
- Compatible hardware and software-based STAC LZS compression
- Software-based Predictor compression
- Compression ratios up to 8:1

### TUNNELLING

- Generic Routing Encapsulation (GRE)
- Network Address Translation (NAT)
- Layer Two Tunneling Protocol (L2TP)

### SECURE REMOTE MANAGEMENT

- Secure shell
- Remote security officer

### ORDERING INFORMATION

#### AT-AR011i ECMAC

Provides hardware-based DES and 3DES\* encryption, hardware-based compression

#### AT-AR061 ECPAC

Provides hardware-based DES and 3DES\* encryption, hardware-based compression

\* AT-3DES feature license required for 3DES

### OPTIONS

#### AT-3DES

##### Triple DES Encryption

Triple DES encryption (software option)

#### AT-AR300v2SecPk-00

AR300 router security bundle (software option)

#### AT-AR400sSecPk-00

AR400 router security bundle (software option)

#### AT-AR700sSecPk-00

AR700 router security bundle (software option)

#### AT-RPsecPk-00

Rapier Layer 3 switch security bundle (software option)

#### AT-9800SecPk-00

AT-9800 Layer 3 switch security bundle (software option)

#### AT-SB4000SecPk-00

AT-SB4000 security pack (software option)

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