

2034 LED

LINK ENCRYPTION DEVICE





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2034 Link Encryption Device is an Ethernet encryption equipment which encrypts and decrypts data from end to end. 2034 LED operates in full duplex mode at transmission rates 900 Mbps independent of the networking protocols. 2034 LED is a very flexible encryption unit that supports both direct key loading via a Fillgun device and remote key loading by the Security Management System. 2034 LED has the capability to encrypt and decrypt two independent links.

General Features

- Secure Communications over Ethernet network
- 10/100/1000 IEEE 802.3 Ethernet compatible interfaces
- Out of Band Management interface
- Remote management
- User interface functions via keypad and LCD display

Security Features

- Hardware FPGA implementation of crypto algorithm
- Emergency erase of keys (with or without power)
- Built in self-test property
- AES-256 or Nationally certified crypto algorithm options
- 3-way strong authentication
- Tamper proof
- Key storage with external battery
- User access control and limitation via Crypto Ignition Key (CIK)
- Manual key loading with Aselsan 2070 Fillgun device
- Remote key loading, key activation and configuration by Security Management System

Accessories

- 2070 Fillgun Device
- Crypto Ignition Key (CIK)
- Security Management System

Technical Features

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|-------------------------------|--|
| Data Interface | 10/100/1000 IEEE 802.3 Ethernet compatible |
| Communication characteristics | 900 Mbps full duplex traffic |
| Remote Control | Access Through 10/100 Mbps Ethernet Web Interface |
| Aselsan 2070 Fillgun | 10 Mbps Ethernet Interface |
| Algorithm | AES-256 or Nationally Certified Algorithm |
| Authentication | 3-Way Strong Authentication via Asymmetric Crypto Algorithms |
| Key Loading | Manuel or Remote Control |
| Physical Security Features | Emergency Erase of Keys (with or without power) and Tamper Proof |
| AC Input | 220 $\pm 10\%$ VAC, 50 $\pm 5\%$ Hz |
| DC Input | 24 VDC(19-57 V) |
| Storing Temperature | -40°C to +85°C |
| Operating Temperature | -20°C to +55°C |
| Humidity | 95% (+40°C) |
| EMI/EMC | MIL-STD-461F |
| Environmental Standards | MIL-STD-810G compatible |
| Dimensions | 19" rack mountable |
| Weight | <15 kg |
| TEMPEST | SDIP-27 A compatible |