



PacStar 412

HAIZE Sled

PacStar 412 adapts the Viasat® ultra-compact KG-250XS HAIZE Inline Network Encryptor (INE) device to integrate into PacStar 400-Series smart chassis-based case solutions. The combination creates complete network packages that include HAIZE encryption for secret and top-secret network access while taking advantage of PacStar 400-Series modularity.

The sled provides tool-less integration for the KG-250XS including:

- Physical adaptation of the INE into the PacStar 400-Series chassis
- 2x 10/100 copper RJ45 Ethernet interfaces, exposed to the front of the sled
- Supports PacStar 400-Series standard interconnect-enabling modules to be snapped together in the field to share power

PacStar 412 works in conjunction with PacStar 400-Series communications modules, and serves the tactical communications needs of small teams that deploy worldwide and have secure communication requirements in austere environments. PacStar 412 enables teams from U.S. DoD and Homeland Security to easily and securely connect multiple devices to mission-critical communications networks.

Key Features

- Secures and provides connections for Viasat KG-250XS (sold separately)
- Provides Ethernet cabling from the rear of the encryptor to the front of the sled, enabling quick and convenient access for network cabling
- Integrated power connectors provide power from tactical radio batteries, or power input provided by PacStar 400-Series Smart Chassis
- Continuous runtime with hot-swappable batteries
- Snap-together design enables quick expansion with other PacStar 400-Series products
- Compact design for flexible packing and transport
- KG-250XS can be mounted into PacStar 412 without tools in the field

Specifications

Networking Capabilities (KG-250XS)

- TCP, UDP, IPv4/IPv6 dual stack, ICMP, IGMP, ARP, DHCP
- Multicast on red and black subnet
- Embedded TCP/IP accelerator
- Browser based HMI configuration

Encryption Capabilities (KG-250XS)

- Up to 20 Mbps (aggregate) crypto
- NSA-Certified Type 1 HAIPE IS V4.1 compliant
- Crypto Ignition Key (removal to unclassified CCI), EKMS, DGSK, IKEv2 ECDH, software upgradeable to KMI OTNK
- HAIPE-to-HAIPE over-the-air/net keying

Connectors

- (2) RJ45 (10/100 Base-T Ethernet) (1) encrypted, (1) unencrypted
- Wide-range DC input via PacStar 400-Series standard power interconnectors w/radio battery compatibility

Power Specifications

- Battery snap-together connectors for 1-2 each AN/PRC-152/148 snap-on radio batteries; hot-swappable with ~15 hours runtime per battery
- Wide-range DC input, 10-35V
- Power draw: Nominal <5 watts total

Physical Specifications

- Dimensions 5.67" x 7.1" x 1.7"
- Weight 2 lb. (with KG-250XS)
- Supports PacStar 400-Series standard interconnect-enabling modules to be snapped together in the field to share power
- Fanless design for quiet operation, higher reliability, and low power draw
- Operational temperature -20C to 60C



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