



RUGGED TACLANE-FLEX ENCRYPTION

Rugged ATMOS2 Sled

The **ATMOS2 Sled - Rugged TACLANE-FLEX** Encryption solution integrates the General Dynamics TACLANE-FLEX (KG-175F) network encryptor into the proven Core Systems ATMOS2 rugged chassis architecture.

Designed for tactical and deployed environments, the ATMOS2 Sled provides the mechanical protection, thermal management, power integration, external connectivity, and service access needed to deploy high-assurance encrypted communications closer to the mission edge.

- Ruggedized TACLANE-FLEX deployment
- Secure RED / BLACK network architecture
- Built for tactical edge environments

Featured Specifications

- TACLANE-FLEX (KG-175F) Integration
- NSA-Certified Type 1 / HAIPE Encryption
- Up to 1 Gb/s Full-Duplex Throughput
- IPv4 / IPv6 Network Support
- Trusted/Untrusted Network Separation
- Integrated Forced-Air Cooling
- Rugged MIL-Spec ATMOS2 Chassis
- SWaP-Optimized
- Stackable ATMOS Chassis Rail System
- Field-Serviceable Top Access



Technical Specifications

Dimensions

Height: 3.5 inches, Width: 8.5 inches, Depth: 14.75 inches
Weight: 13 lbs

Encryption Platform

General Dynamics TACLANE-FLEX (KG-175F)

Performance

100 Mb/s or 1 Gb/s full-duplex, configuration dependent
Up to 2 Gb/s aggregate at 1 Gb/s full-duplex

Protocol Support

IPv4 / IPv6 dual-stack

Architecture

Trusted RED and encrypted BLACK network separation

TACLANE Ethernet Support

10/100/1000 Base-T

Security

NSA-Certified Type 1 / HAIPE

Serviceability

Top-access service lid

Cooling

Integrated forced-air thermal management

Power Supply

Native 24-28VDC Power Input
Optional AC-DC External Power Supply

Chassis

Stackable Rugged MIL-Spec Chassis

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5 Procedure I; -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5 Procedure II; -55°C to +85°C

Humidity

MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude

MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration

MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-2,000Hz, 60 min/axis

Shock

MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC

MIL-STD-461F: CE & RE emissions

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