

IRON FORTRESS™ ECU

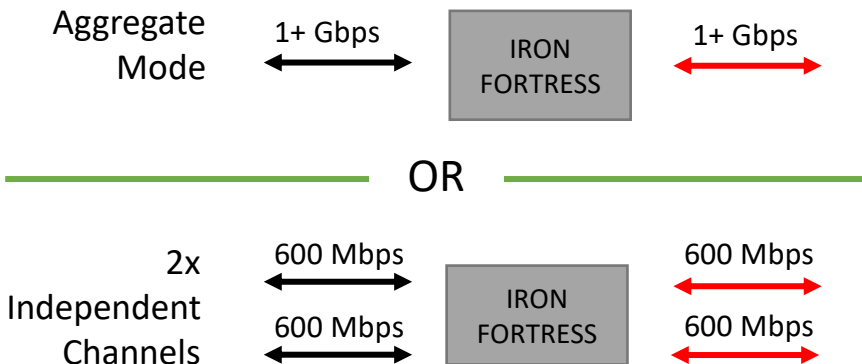
NSA Certified Encryption Units for Secure and Reliable Comms

Description

The Iron Fortress™ End Crypto Unit (ECU) is an easy to install turnkey NSA certified cryptographic module. Featuring small size, weight and power, Iron Fortress™ ECU can provide the needed security that customers expect in either 2 separate independent channels or combined for one extremely high-speed channel.



1+ Gbps Encryption/Decryption



Why Iron Fortress™?



NSA Certified Encryption

- Secure communications for your mission
- NSA approved
 - Integrates GD KI-18
- Positive Red/Black Separation



Speeds > 1+Gbps

- 2 independent encryptors that can provide 600 Mbps throughput each
- Can be combined to encrypt one link at 1+ Gbps

Features/Specifications

- GD Cryptographic System in Package (CSiP)
- Key Storage: up to 256 keys
- Supports OTAR
- Power: 10 W max (Aggregate Mode)
- Mass: < 500 grams
- Size: 150mm x 97mm x 23mm
- Input Voltage: 6 – 34.6 V unregulated DC
- Interfaces: Ethernet/RS422/LVDS
- Operating Temperature: -40 C to +85 C
- Radiation Tolerance: 40 krad TID
- Life: 5 years

Delivery Excellence



AS9100 & ISO9001
Certified



Rapidly Scaling to meet
customer demand

Compliance / Certifications

TS Facility Clearance

25,000 Sq. Ft. of Lab Space

IPC-A-610 & IPC-A-620

J-STD-001 with Space

NASA-STD-8739.1

ISO Class 7 Cleanroom

Capabilities

PCB Assembly and Test

Visual Inspection to IPC Class 3

Thermal Test Chambers

Temperature Cycling

Vibration Testing

Vacuum Testing