

## High performance inline encryption for overlay security

Fortress' FC-X network encryptors perform high-performance inline encryption delivering gigabit throughput. The FC-X enables large-scale networks to secure communications from thousands of wireless users in an enterprise WLAN or over high-speed optical links. The FC-X processes packets at a high rate with low latency, satisfying the rigorous demands of large VoIP deployments, a rapidly growing application for wireless communications.

- Certified media-independent security
- Enabled for COTS-for-SECRET deployments\*
- Easy to deploy & manage
- Dependable performance

Built for maximum flexibility, Fortress Inline Network Encryptors provide a secure wired or wireless connection for the network and are interoperable with Wi-Fi, WiMAX, Free Space Optics, Satellite and Military RF. As an overlay solution, the encryptors can be plugged into any environment, regardless of topology, infrastructure vendor, or wireless technology used.



# FC-X

Inline Network Encryptor

- Gigabit Performance
- Comprehensive Security
- Easy to Deploy & Manage
- Dependable Performance



## Mechanical Dimensions

- 1.75"H × 17.5"W × 12"D (1U)  
(4.44cm × 44.45cm × 30.48cm)

## Weight

- 11 lbs. (5 kg), approx.

## Mounting

- 1U Rack Mount Chassis

## Interfaces

### Ethernet

- 3x RJ-45 10/100/1000BT
- 2x SFP Transceiver Receptacles

### Serial

- One RJ-45 Serial Port (Console)

### Power

- Internal 100/240 VAC with a rear-panel inlet

## Networking

### IP Compatibility

- IPv4 and IPv6

### Traffic Prioritization

- 5 Level Class of Service

### VLAN Support

- Full VLAN Support

## Power Voltage

- 120-240 VAC

## Security Encryption

- AES-CTR-128/192/256
- AES-GCM-128/256
- IPsec (Suite B & Legacy)
- NSA Suite B Upgradeable\*

## FIPS

- FIPS 140-2 Level 2

## Common Criteria

- EAL3

## Multi-Factor Authentication

- Network, device, user, guest, 802.1x
- RADIUS, LDAP, Active Directory, RSA SecurID, internal database, PKI/CAC

## Performance

- Sustained FIPS Encrypted Throughput > 1Gbps

## Management Access

- SNMP or Fortress MaPS
- Logging, Exportable to Syslog
- Four Arrow Keys for LCD Menu Navigation

## Indicators

- Two-line, 20-Character, Backlit LCD Text Display
- Power, Status, Cleartext, Failover Front Panel LEDs
- Three Pairs Integrated Port LEDs Control
- Back-panel on/off Power Control
- Front-panel, Recessed, Warm-Power Reset Control

## Environmental Operating Temperature

- 0°C to +50°C (32°F to +122°F)

## Storage Temperature

- -20°C to +70°C (-4°F to +158°F)

## Cooling

- Two Exhaust Fans

## Humidity

- 8%–95% Non-Condensing Operating Altitude
- 0–5000m (0–16,404 ft)

## Certification

### Safety & Emissions

- UL, CE Markings per 60950-2

### Environmental

- RoHS-6

### EMI

- FCC Class B, EN55022

## Manufacture & Warranty

- USA

### Warranty

- 1 Year Maintenance & Support

\* Use of Fortress Suite B IPsec to protect US SECRET data is subject to NSA approval

Fortress Technologies, part of General Dynamics C4 Systems, delivers a high performance portfolio of COTS wireless and secure communications capabilities, based on industry-proven technology. Fortress products and technologies are enhanced with the highest levels of industry-standard encryption that conform to commercial and government security standards and meet stringent environmental standards to support tactical wireless communications in austere environments for global defense, critical infrastructure and enterprise users.

Leveraging a self-forming, self-healing, path-optimizing mesh architecture, the Fortress advanced wireless network solution is optimized for rugged-outdoor, mobile, military, first responder and critical infrastructure environments, where reliable communications are a must.

For more information, visit [www.gdfortress.com](http://www.gdfortress.com)

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