

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 x 17.5"W x 12"D (1U)
(4.44cm x 44.45cm x 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

Manufacturing Origin

USA

Warranty

1 Year Maintenance & Support

* NSA Approval Required

Fortress Technologies is the leader in providing COTS+ secure wireless infrastructure designed specifically for tactical military applications. Today, Fortress infrastructure is the backbone of the DoD's largest wireless mesh networks deployed around the globe. Fortress products incorporate NSA Suite B cryptographic algorithms and are specifically designed to meet the highly mobile, rugged outdoor military environments.

Fortress Technologies

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