

# CyberFence

CERTIFIED ENCRYPTION AND LAYERED DEFENSE FOR VULNERABLE EDGE DEVICES.



CyberFence protects critical infrastructure networks by securing the sensors, controllers and edge devices that keep systems running. Built for operational technology environments, it adds strong encryption, inspection and segmentation without disrupting existing infrastructure or control systems.

The platform uses a multi-layer security approach that combines encryption, firewall capabilities and deep packet inspection to defend against cyber threats targeting industrial and mission-critical networks. It supports common industrial protocols such as BACnet, Modbus TCP, OPC, EtherNet/IP and DNP3, helping organizations secure both legacy equipment and modern connected systems.

CyberFence is deployed at more than 150 sites worldwide, supporting customers including the U.S. State Department, U.S. Army and U.S. Navy.



## CERTIFIED SECURE ENCRYPTION

FIPS 140-3 Level 2 validated with AES-256, AES-192 and AES-128 encryption options.



## LAYERED CYBER DEFENSE

Combines encryption, firewall capabilities and deep packet inspection for industrial control protocols.



## BUILT FOR EDGE ENVIRONMENTS

Small footprint, low SWaP design with DIN rail mounting and Power over Ethernet support.



## FLEXIBLE DEPLOYMENT

Works across IPsec VPN, VLAN and cloud environments including Azure and AWS.

# TECHNICAL SPECIFICATION

## SECURITY FEATURES

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- Layer 2, Layer 3 or high-speed encryption and decryption
  - Access control functions
  - Deep packet inspection (DPI), can currently support BACnet, Modbus TCP, OPC, Ethernet/IP and DNP3 control protocols and inbound commands, as well as their origin
  - Secure authenticated key distribution
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## SECURITY

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- AES 256, 192, & 128 bit (GCM, CCM, CBC, ECB)
  - HMAC SHA-1/2 per-packet hashing
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## CERTIFICATIONS

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- Common Criteria certified: Network Device collaborative Protection Profile (NDcPP)
  - Version 2.1
  - FIPS 140-3 Level 2 validated
  - FCC Part 15.107/109 unintentional emissions, class A
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## MECHANICAL

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| CYBERFENCE 650 | <ul style="list-style-type: none"><li>• DIN rail mount</li><li>• 4.17"x 4.65"x 1.82"</li><li>• 11.0 oz</li></ul> |
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| CYBERFENCE 655 | <ul style="list-style-type: none"><li>• 3 GbE interfaces with RJ-45 military circular connectors</li></ul> |
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## ENVIRONMENTAL

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- Operational temperature: -40° to +60° C
  - Storage temperature: -40° to +85° C
  - MIL-STD-167A
  - MIL-STD-810E
  - FCC Part 15 Class A
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## INTERFACES

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| (3) ETHERNET<br>10/100/1000 BASE-T<br>PORTS | <ul style="list-style-type: none"><li>• Encrypted black port</li><li>• Unencrypted red port</li><li>• Local management port</li><li>• Configurable SFP Auxiliary Port (CyberFence 655 only)</li></ul> |
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## POWER

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- Power over Ethernet (PoE) through Black or Red port
  - 20-60v power input
  - < 8 watts
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## PERFORMANCE

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- 1Gbps throughput
  - Up to 32 encrypted VLAN portals
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## TOOLS & UTILITIES

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- Over the network firmware upgrade
  - Over the network re-key
  - Remote and local device reboot
  - Secure zeroization to factory default state
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## DEVICE MANAGEMENT

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- Web Server / HTTPS
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## OPTIONS

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- Application-layer firewall with \*DPI license
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