



# CyberFence

SAFEGUARDING EDGE DEVICES AND NETWORKS FROM CYBER THREATS



## Features

- **Certified Secure with FIPS 140-3 Level 2+** certification provides options for enhanced encryption based on application and need.
- **Multi-layer security features** include encryption, firewall and deep packet inspections to meet bespoke needs of networks, devices and protocols including BACnet, Modbus TCP, OPC, EtherNet/IP and DNP3.
- **Adapts seamlessly to any network environment** including IP/SEC VPN, Layer 2 VLAN, Cloud (Azure & AWS) and other network types for best-in-class versatility.
- **Small footprint and low SWAP** enable easy adaptation, low-impact installation and implementation. Power over Ethernet (PoE) eliminates the need for separate unit power source.
- **Dedicated management tunnels** communicate with certificate authentication servers, remote management logging and time to stay synchronized within greater network infrastructure.
- **Ease of use**, streamlined security infrastructure design makes CyberFence a ready-to-manage encryption device within your network.

## Overview

Critical infrastructure sensors and devices enhance operational efficiency and safety through data collection, crucial for controlling life-safety equipment. Secure the indispensable advantages gained from these instruments with our multi-layered security approach, designed to shield your network from emerging risks.

Ultra Intelligence & Communications' suite of infrastructure protection products ensures your network is protected from threats while enabling a secure, seamless, and resilient digital ecosystem.

CyberFence is deployed in more than 150 sites, serving a diverse client base including the U.S. State Department, the U.S. Army, and the U.S. Navy. It is designed to connect distributed and vulnerable edge devices, offering top-tier network defense without interfering with essential infrastructure and operational technology systems.

CyberFence keeps critical infrastructure networks isolated and running smoothly by ensuring devices are kept safe from cyber threats. It protects legacy systems and new additions against cyber events that impact safety and system availability.

Ultra I&C offers the most flexible certified edge network security solutions to protect devices and computing resources. Whether wired, wireless or embedded, our edge encryption capabilities include tunnels, gateways, and deep packet inspection for a variety of commercial, government and military environments.

# Technical specification

<b>Security Features</b>	<ul style="list-style-type: none"><li>• Layer 2, Layer 3 or high-speed encryption and decryption</li><li>• Access control functions</li><li>• 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</li><li>• Secure authenticated key distribution</li></ul>				
<b>Security</b>	<ul style="list-style-type: none"><li>• AES 256, 192, &amp; 128 bit (GCM, CCM, CBC, ECB)</li><li>• HMAC SHA-1/2 per-packet hashing</li></ul>				
<b>Certifications</b>	<ul style="list-style-type: none"><li>• Common Criteria certified: Network Device collaborative Protection Profile (NDcPP) Version 2.1</li><li>• FIPS 140-3 Level 2 validated</li><li>• FCC Part 15.107/109 unintentional emissions, class A</li></ul>				
<b>Mechanical</b>	<table><thead><tr><th><b>CyberFence 650</b></th><th><b>CyberFence 655</b></th></tr></thead><tbody><tr><td><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></td><td><ul style="list-style-type: none"><li>• DIN rail mount</li><li>• 5.55"x 3.94" x 1.42"</li><li>• 11.0 oz</li></ul></td></tr></tbody></table>	<b>CyberFence 650</b>	<b>CyberFence 655</b>	<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>	<ul style="list-style-type: none"><li>• DIN rail mount</li><li>• 5.55"x 3.94" x 1.42"</li><li>• 11.0 oz</li></ul>
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<b>Environmental</b>	<ul style="list-style-type: none"><li>• Operational temperature: -40° to +60° C</li><li>• Storage temperature: -40° to +85° C</li><li>• MIL-STD-167A</li><li>• MIL-STD-810E</li><li>• FCC Part 15 Class A</li></ul>				
<b>Interfaces</b>	<ul style="list-style-type: none"><li>• (3) Ethernet 10/100/1000 BASE-T 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></li></ul>				
<b>Power</b>	<ul style="list-style-type: none"><li>• Power over Ethernet (PoE) through Black or Red port</li><li>• 20-60v power input</li><li>• &lt; 8 watts</li></ul>				
<b>Performance</b>	<ul style="list-style-type: none"><li>• 1Gbps throughput</li><li>• Up to 32 encrypted VLAN portals</li></ul>				
<b>Tools &amp; Utilities</b>	<ul style="list-style-type: none"><li>• Over the network firmware upgrade</li><li>• Over the network re-key</li><li>• Remote and local device reboot</li><li>• Secure zeroization to factory default state</li></ul>				
<b>Device Management</b>	<ul style="list-style-type: none"><li>• Web Server / HTTPS</li></ul>				
<b>Options</b>	<ul style="list-style-type: none"><li>• Application-layer firewall with *DPI license</li></ul>				