

AP-250

Cybersecurity Appliance and Cabin Router

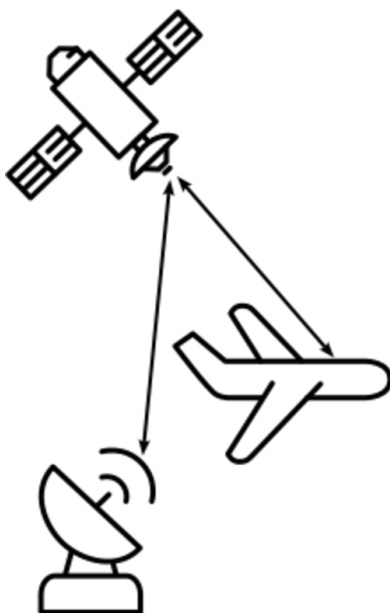


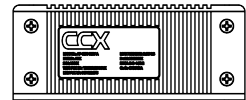
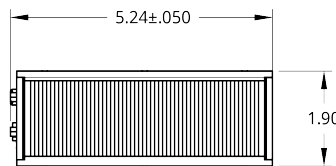
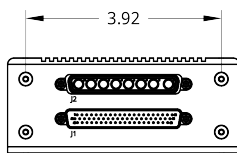
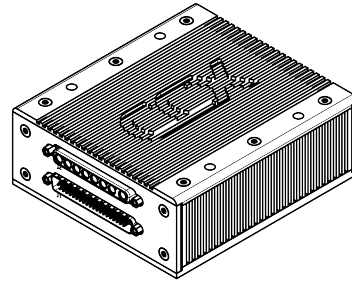
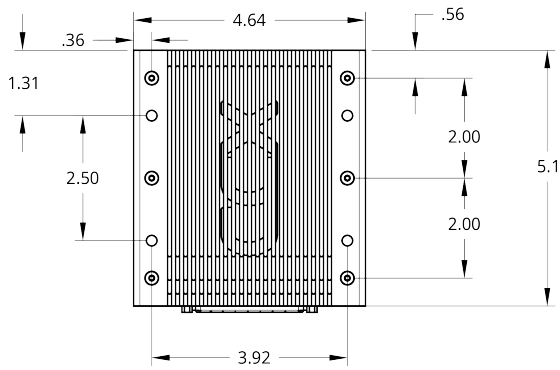
Improve the cybersecurity posture and cabin network connectivity onboard your platforms with the AP-250 Cybersecurity Appliance and Cabin Router. The AP-250 can serve as an Intrusion Detection System (IDS), a secure applications server, and an advanced cabin router. It boasts a 1TB solid-state drive, capable of storing large quantities of data.

This appliance adds security to the network with end-to-end data encryption, network and local firewalls, encrypted data-at-rest, and Secure Boot. CCX Technologies' advanced platform IDS is capable of monitoring databus, log, and IP network traffic for potential cyber vulnerabilities.

Features

- Lightweight and compact
- Configurable Policy-Based Routing (PBR) engine
- Multi-WAN support (support multiple SATCOM systems)
- Secure VoIP calling
- Device management tools
- Configurable IDS
- Zeek and SNORT network monitoring frameworks
- End-to-end data encryptions
- Advanced local/network firewalls
- Secure Boot/encrypted data-at-rest
- Compatibility with many databus standards (including ARINC 429, MIL-STD-1553, and CANBUS)
- Common data formatting/data fusion
- 1 TB solid-state drive for data storage
- Secure applications server
- Platform configuration management





Technical Information

| | |
|------------------------------|---|
| Dimensions | 5.18"L x 4.64"W x 1.90"H |
| Weight | 2.4lb |
| Mounting Provisions | 4 mounting holes for #8 bolts or screws; flange mount. Option to install in 2 or 4 MCU form factor with an IK-350 |
| Connectors | MIL-DTL-24308G 62-pin Male HD D-sub MIL-DTL-24308G 8W8 Coax Female D-sub |
| Operating Voltage | 28VDC or 12VDC |
| Typical Power Consumption | 12W |
| Maximum Power Consumption | 18W |
| WiFi | IEEE802.11ac/n/a/b (WiFi 5), 2.4GHz/5GHz, 3x3 MuMIMO radios with radio enable discrete input |
| Mobile Broadband | LTE bands |
| Supported Antennas | CCX Technologies IK-201 (LTE) and IK-200 (WiFi) |
| Ethernet | 10/100/1000 BASE-T IEEE 802.3 Compliant Ethernet Ports with: ACS, Automatic MDI/MDIX crossover, Automatic polarity correction, and IEEE 802.3u compliant auto negotiation |
| Discrete GPIO | ARINC-628 GND/Open and High/Low Sensing Discrete Inputs/Outputs |
| Data Storage | 1TB NVMe |
| Environmental Qualifications | RTCA DO-160G |


Interfaces

| QTY | Interfaces | Standards |
|-----|-------------------------------|--------------------------------------|
| 4 | Ethernet | 1000/100/10BASE-T (IEEE 802.3ab/u/i) |
| 2 | WiFi | IEEE 802.11ac/n/b/a (2.4 GHz/5GHz) |
| 1 | Cellular | 4G/3G |
| 3 | Radio Disable Discrete Inputs | ARINC-628 |
| 4 | Bidirectional Discretes | ARINC-628 |
| 6 | Power | 12V and 28V DC |

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