AP-251
Cybersecurity Appliance and Cabin Router

Improve the cybersecurity posture and cabin network connectivity onboard your platforms with the AP-251 Cybersecurity Appliance and Cabin Router. The AP-251 can serve as an Intrusion Detection System (IDS), a secure applications server, and an advanced cabin router. It features some of the latest netoworking hardware including a 5G cellular modem and two dual band 802.11ax WiFi 6 radios.

Functionality

Installed autonomously without live connectivity from the aircraft to the CCX Technologies Ground Server.

+ IPS/IDS
+ Secure applications server
+ Advanced network routing
+ Advanced firewall
+ Log collection and storage
+ Active data monitoring
+ Security database

Enhanced Functionality

Installed and connected with SATCOM or other connectivity from the aircraft to the CCX Technologies Ground Server

+ Dynamic remote ruleset updates against the latest known vulnerabilities and attacks
+ Managed Security Operations Center (SOC)
+ Remote real-time firewall and policy-based routing updates
+ Modern Virtual Private Network (VPN)
+ Remote technical support for all devices in the onboard network

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Technical Information

Form Factor	5"L x 4.5"W x 1.8"H
Processor	Quad-core processor with integrated packet processing acceleration, secure key storage, encryption engines, and high-speed networking peripherals
RAM	8 GBy
Operating System	SystemX
Security	Advanced Network Intrusion Detection System Hardware accelerated end to end encryption including Secure Boot & signed software
Weight	2.55 lbs.
Ethernet Ports	Six (6) 10/100/1000 BASE-T IEEE 802.3 Compliant Ethernet Ports with Automatic Channel Swap (ACS)
Ethernet Switch	L2/L3 Line-Rate managed ethernet switch & network processor
Aircraft Discretes	Two (2) configurable inputs, two (2) configurable outputs Two (2) dedicated WiFi disable, and one (1) LTE enable
Cellular Modem	5G modem for global coverage, SIM access via front access panel
WiFi	Two (2) Dual Band 2.4/5GHz IEE 802.11ax WiFi 6 radios
Power	9VDC-30 VDC Input, DO-160G, and MIL-STD-704 50ms Hold-Up for Aircraft
Environment	DO-160G
ARINC-429	2 x ARINC-429 receivers

Powered by

SYSTEMX

Need more information?
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