AP-250
Inline Cyber Security Appliance

Strengthen your aircraft's cybersecurity posture and comply with the growing number of aviation authority Cyber Security Guidelines with the AP-250 Inline Cyber Security Appliance (AP-250). Compact and capable, the AP-250 streamlines the path to achieve the RTCA DO-326/ED202 Airworthiness Security Process Specification, among others. Easy to install, it monitors the onboard network and provides alerts to reinforce the aircraft's cybersecurity posture.

AP-250 Key Features
+ Lightweight and compact
+ Simple interface to Satcom terminals and routers
+ Advanced network IDS & IPS (Intrusion Detection and Prevention System), log collection, monitoring, and storage
+ Active data monitoring
+ Security event database
+ Support for third-party SIEM (Security Information and Event Management)
+ Enhance ability to achieve Aviation Authority Cyber Security Guidelines (FAA, EASA, CAA & MOTC)

CCX
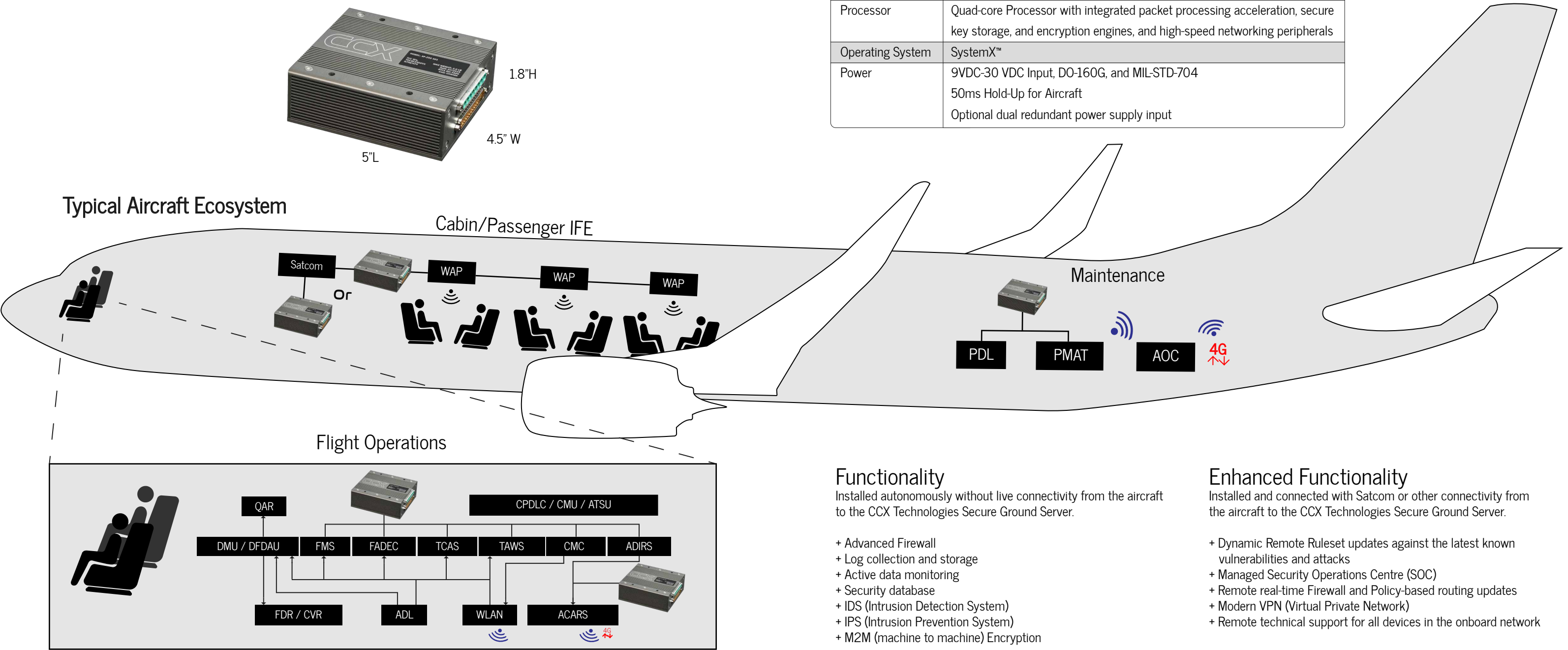TECHNOLOGIES

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The AP-250 Cyber Security Appliance is installed in-line with networking devices and avionics to monitor and protect the aircraft's onboard network.

1.8"H
4.5" W
5"L

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, and encryption engines, and high-speed networking peripherals
Operating System	SystemX™
Power	9VDC-30 VDC Input, DO-160G, and MIL-STD-704 50ms Hold-Up for Aircraft Optional dual redundant power supply input

Typical Aircraft Ecosystem

Cabin/Passenger IFE

Satcom
Or
WAP
WAP
WAP

Maintenance

PDL
PMAT
AOC
4G

Flight Operations

QAR
CPDLC / CMU / ATSU
DMU / DFDAU
FMS
FADEC
TCAS
TAWS
CMC
ADIRS
FDR / CVR
ADL
WLAN
ACARS
4G

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

+ Advanced Firewall
+ Log collection and storage
+ Active data monitoring
+ Security database
+ IDS (Intrusion Detection System)
+ IPS (Intrusion Prevention System)
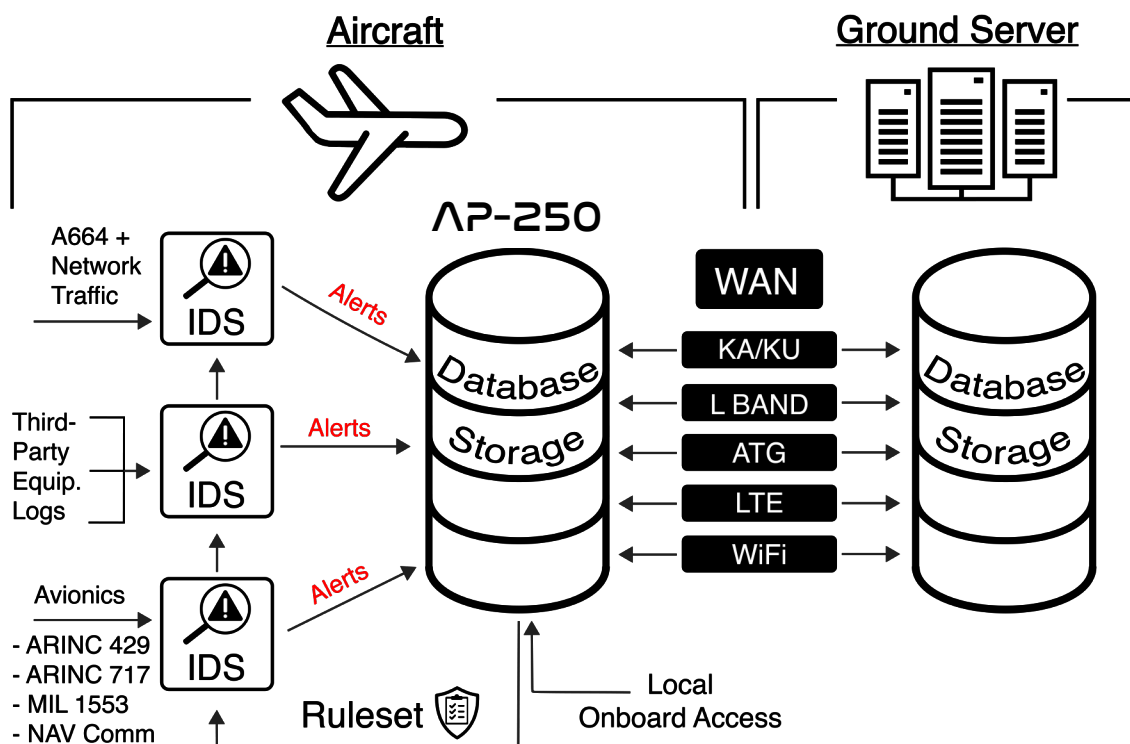+ M2M (machine to machine) Encryption

Enhanced Functionality
Installed and connected with Satcom or other connectivity from the aircraft to the CCX Technologies Secure Ground Server.

+ Dynamic Remote Ruleset updates against the latest known vulnerabilities and attacks
+ Managed Security Operations Centre (SOC)
+ Remote real-time Firewall and Policy-based routing updates
+ Modern VPN (Virtual Private Network)
+ Remote technical support for all devices in the onboard network

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How it Works

Aircraft

Ground Server

AP-250

A664 + Network Traffic → IDS — Alerts →

Third-Party Equip. Logs → IDS — Alerts →

Avionics
- ARINC 429
- ARINC 717
- MIL 1553
- NAV Comm → IDS — Alerts →

Database Storage

WAN
KA/KU
L BAND
ATG
LTE
WiFi

Database Storage

Ruleset

Local Onboard Access

Need more information?
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Visit us: ccxtechnologies.com

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