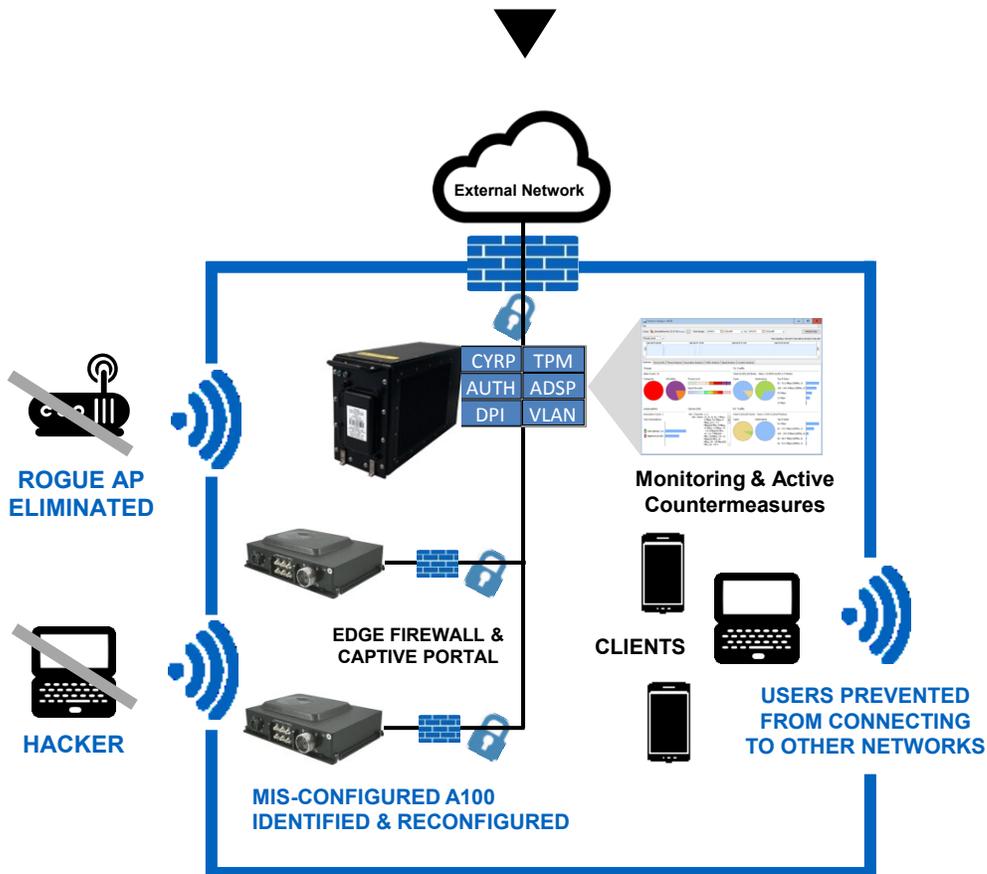


# AirDefense® Services Platform



## Product Brief for Advanced Wireless Security

- ▶ Enhanced security software package for Cabin WiFi
- ▶ Define, monitor, and remotely enforce wireless LAN policies and regulatory compliance policies.
- ▶ Proactively optimize, protect and remediate the wireless network with real-time analytics & automated countermeasures
- ▶ Runs in conjunction with the Kontron Cab-n-Connect Wireless Access Point

## ▶ PRODUCT OVERVIEW

Wireless connectivity provides unique opportunities to communicate in new and powerful ways, but it also brings its own set of vulnerabilities, complexities and management challenges. To get the best out of your wireless network, you need the right set of tools. The AirDefense Services Platform (ADSP) simplifies the management, monitoring and protection of on aircraft wireless network. The platform supports three key functions — security and compliance, network assurance, and proximity awareness and analytics – within a modular architecture to maximize deployment flexibility and minimize the cost of implementation. ADSP combines the information collected on the wireless network of sensors with the analytical power of an intelligent central console – on aircraft – to provide automated network monitoring, security, enable regulatory compliance, remote troubleshooting, and location services.

### FLEXIBLE

A secure network environment is critical to your business. So is the flexibility to adapt to the changing demands of your customers and employees. The AirDefense Services Platform gives you the control and intelligence you need to rollout new applications and services to empower and engage your users, without risking exposure of sensitive information.

### CENTRALIZED

You want to focus resources on running your business, not on running your network. So we simplified network administration by creating a single graphical user interface and central management console for a holistic view and easier control of your wireless network performance.

### CUSTOMIZABLE

Your organization is unique and so are your business needs. The AirDefense Services platform is modular and functionality can be accessed from a dedicated server on the aircraft and can be tailored to your specific requirements. Security and Compliance, Network Assurance, and Proximity Awareness and Analytics are seamlessly integrated to give you a single powerful tool for maximizing your wireless network productivity.

Feature	WiNG 5	AirDefense
Security Scan	Yes	Yes
Individual WIPS Detection	32	150+
Rogue AP Detection	Yes	Yes
Containment / Termination	Yes	Yes
Wired Rogue AP Validation	Partial	Yes
Reporting	Partial	Yes
Compliance Monitoring	Partial	Yes
Alarm Configuration	Partial	Yes
Rogue Client	No	Yes
Alarm Action Manager	No	Yes
Forensic Analysis	No	Yes

The Cab-n-Connect A100 supports the following wireless security feature set with WiNG 5. AirDefense provide additional security features.

## ▶ SECURITY AND COMPLIANCE

Maximizing the productivity of your wireless assets means maintaining the strongest security posture possible. AirDefense security and compliance suite works seamlessly across your wireless network to detect and neutralize rogue devices, enforce policies, prevent intrusion and ensure regulatory compliance. Automated tools for threat mitigation and policy enforcement give you the confidence of real-time response to risks and a more effective security posture.

### WIRELESS INTRUSION PREVENTION SECURITY (WIRELESS IPS) MODULE

By analyzing existing and day-zero threats in real-time against historical data, the AirDefense Wireless IPS module can accurately detect wireless vulnerabilities and unusual network activity. Context-aware detection, correlation and multi-dimensional detection engines mean minimal false positive alarms. An extensive threat library and customizable policy settings let the system respond automatically to more than 200 wireless threats, reducing the chances of damage to your network.

### ADVANCED FORENSICS MODULE

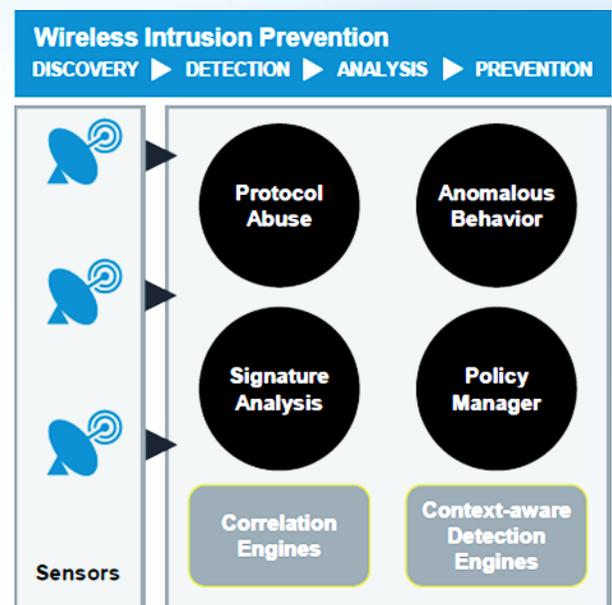
The AirDefense Advanced Forensics module provides administrators the ability to rewind and review detailed records of wireless activity. It allows organizations to view events months later to improve network security posture, assist in forensic investigations and ensure policy compliance.

### CENTRALIZED MANAGEMENT CONSOLE MODULE

The AirDefense Centralized Management Console (CMC) module provides administrators and IT staff a single holistic view into the wireless network. The CMC can also provide aggregated views of the data from multiple aircraft and a single point for configuration changes. CMC streamlines the monitoring of security events, automates management, and speeds time-to-resolution of network issues, thereby improving productivity.

### WIRELESS VULNERABILITY ASSESSMENT MODULE

The AirDefense Wireless Vulnerability Assessment module uses an industry-first, patented technology to remotely test wireless security. It allows administrators to automatically log on to an access point and test for vulnerabilities from the perspective of a wireless hacker. Sensors conduct wireless penetration testing, proactively identifying vulnerabilities before they can be exploited, so you can better manage threats and keep your systems secure.



## ► NETWORK ASSURANCE

The AirDefense Network Assurance suite gives you a real-time view of all WLAN traffic, enabling IT administrators to quickly identify and respond to issues and misconfigurations, proactively monitor the network's availability, and remotely troubleshoot RF problems. With both real-time and historical tools, appropriate diagnosis and correction is faster and less costly and the need to travel onsite to troubleshoot wireless network issues is practically eliminated.

### LiveRF MODULE

The AirDefense LiveRF module performs sophisticated RF propagation analysis – taking into account the radio characteristics of your real environment such as obstructive objects (equipment, luggage, etc), to let you identify coverage and capacity issues within your network. With our unique side-by-side comparative analysis and rewindable RF visualization, you can look “back in time” at past conditions to identify intermittent sources of interference and changing usage patterns.

### CLIENT TROUBLESHOOTING MODULE

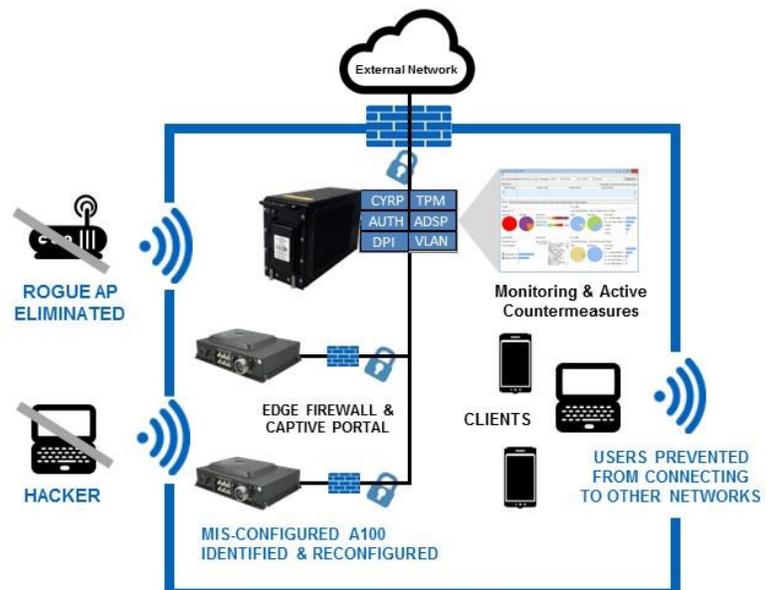
The AirDefense Client Troubleshooting module lets Tier One support personnel with limited wireless networking expertise easily identify the exact connectivity problem, so they can resolve it or escalate it as appropriate. The module's sophisticated analysis engine will quickly identify device level problems, wireless network health and availability, wireless network or client configuration and wired network connectivity issues.

### ACCESS POINT (AP) TESTING MODULE

The AirDefense Access Point Testing module lets you proactively identify problems with wireless applications by periodically performing end-to-end network testing. This unique technology uses the CWAP to emulate wireless clients. Connection testing can then be run automatically to proactively detect network problems or on-demand for real-time troubleshooting.

### SPECTRUM ANALYSIS MODULE

The AirDefense Spectrum Analysis module uses the WLAN infrastructure (dedicated sensors or access points) to troubleshoot interference problems without dispatching a technician to the physical location. The AirDefense Spectrum Analysis module is a software-only solution that allows you to view the physical layer of your wireless network – without specialized hardware – so you can cost-effectively identify, classify and resolve interference issues that limit the productivity of your WLAN.



## Defend and Extend Your Wireless Network's Value

The AirDefense Services Platform provides you with a complete suite of WLAN security and management solutions. With AirDefense, you can engage customers, build loyalty, satisfy regulatory requirements, provide 24/7 monitoring, simplify network management and remotely troubleshoot network performance.

Use the Security and Compliance function to prevent costly security breaches and network downtime, while you meet regulatory security audit requirements. The Network Assurance function includes analysis tools that allow you to proactively optimize wireless LAN performance as well as remotely troubleshoot RF problems.

Finally, combine your powerful AirDefense analytic and data collection tools with Proximity Awareness and Analytics to tailor a more interesting and engaging experience for your customers – and reap the revenue benefits you can create. With the AirDefense Services Platform, you have a holistic network service management solution for their WLAN with a feature set and functionality that will maximize value and efficiency, improve operations, and enhance customer relationships, mitigate risk, and assure compliance.

### ► ORDERING INFORMATION

A server appliance is required to run the AirDefense Services Platform and all AirDefense modules on the Cab-N-Connect Wireless Access Point. Contact your Kontron Avionics representative for more information on options.

ARTICLE	DESCRIPTION
AIRDEFENSE DEVELOPER'S LICENSE	One-time cost
AIRDEFENSE RUN-TIME LICENSE	Per Server/Aircraft
AIRDEFENSE SOFTWARE SUPPORT & SERVICE UPDATE	First year included in Developer's License, then annual renewal Fee

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