

ADVANCED AIRBORNE INTEGRATED DEFENSIVE ELECTRONIC WARFARE SUITE (AIDEWS)

AN/ALQ-211 A(V)4 & A(V)9

Fighter aircraft require effective state-of-the-art countermeasures to complete their mission, whether it's close air support, battlefield area interdiction, strike, suppression of enemy air defenses or defense interceptors. L3Harris' Advanced AIDEWS provides the U.S. and its coalition partners with the technology needed for mission success and survivability in an increasingly lethal threat environment.

AFFORDABLE, MODULAR, SCALABLE, PROVEN AND READY TODAY

Advanced AIDEWS AN/ALQ-211A(V)4 is a modernized version of our AIDEWS system currently on coalition F-16 aircraft. The system provides an internal, fully-integrated radar warning and radio frequency (RF) countermeasures capability. After extensive evaluation of worldwide electronic warfare systems, the Air Forces of seven allies to NATO countries selected AIDEWS based on its operational capability, advanced technology and affordability.

The updated L3Harris pod-based system A(V)9 shares a new reduced

form-factor line replaceable units (LRU) that are interchangeable with the Advanced AIDEWS internal system. It can also be configured to compliment legacy on-board radar warning receiver systems (RWR) to function as the primary threat warning sensor.

The Advanced AIDEWS open-system design accommodates the seamless addition of combat-proven electronic warfare applications. The software-defined technology components enable unprecedented digital radar threat warning and robust digital countermeasures capability.



Electronic Warfare Suites for Self Protection and Situational Awareness

BENEFITS

- > Advanced digital radio frequency memory (DRFM)-based jamming system provides capability against advanced threats
- > Integrates with core avionics and weapons to optimize platform lethality
- > High mean time between failure (MTBF) results in lower life cycle costs
- > Advanced digital receiver technology is integrated with the AN/APG-83 fire control radar providing situational awareness
- > Modular design supports replacement of LRUs in the field
- > Commercial-off-the-shelf (COTS) open-system-architecture design enables the warfighter to affordably modernize with new capabilities and technologies

AN/ALQ-211 AIDEWS

DIGITAL RADAR WARNING RECEIVER

- > Channelized digital receiver
- > High probability of intercept wideband receiver
- > Operates in high-density environments
- > Situational awareness capability
- > Consolidated color threat display with jam strobes

DIGITAL RF MEMORY-BASED JAMMER

- > Lightweight, small form factor, high performance
- > Defeats pulse, pulse doppler and continuous wave threats
- > Full frequency coverage

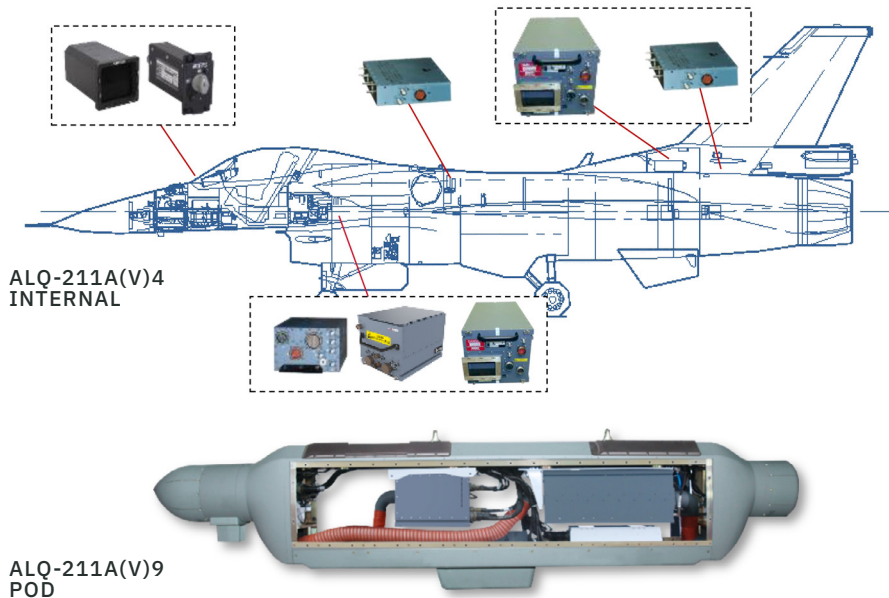
ELECTRONIC WARFARE CONTROL

- > Interface to AN/ALE-47 countermeasures dispensing system
- > Data recording
- > On-board training
- > Ability to operate as suite controller
- > Integrated with the ALQ-213 electronic warfare management system (EWMS) to enhance on-board RWR for legacy aircraft
- > Pilot-selectable mission data files for precise control of robust dual-band, dual-mode transmitter resources

FEATURES

- > Seamless integration with APG-83 radar
- > Extensive built-in-test minimizes I-level support equipment and training
- > Integrated modern digital RWR and jammer
- > Flight-line reprogrammable
- > Block cycle updates supported by the U.S. Air Force for international customers
- > Combat-proven advanced electronic countermeasures (ECM) techniques
- > Wingman interference mitigation

ALQ-211A(V)4 AND A(V)9 AIDEWS CONFIGURATIONS SHARE COMMON LRU HARDWARE



ALQ-211A(V)4
INTERNAL

ALQ-211A(V)9
POD

AIDEWS A(V)4 & A(V)9

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