



FAST. FORWARD.

AN /A C-201D

SINCGARS Airborne Radio

The L3Harris AN/ARC-201D Single Channel Ground and Airborne Radio System (SINCGARS) System Improvement Program airborne radio is a reliable, field-proven voice and data battlespace communications system with networking capabilities.



The AN/ARC-201 is a tactical airborne radio subsystem that provides secure, anti-jam voice and data communication. The integration of COMSEC and the Data Rate Adapter (DRA) combines three Line Replaceable Units into one and reduces overall weight of the aircraft.

Additional features such as improved error correction, Enhanced Data Modes (EDMs) (including packet data), more flexible remote control and Global Positioning System (GPS) compatibility allow the

L3Harris Airborne SINCGARS radio to assume a number of new roles supporting future digital battlefield requirements.

The AN/ARC-201 is backwards compatible with existing SINCGARS Data Modes. The EDMs of the radio employ a Reed-Solomon Forward Error Correction technique providing enhanced bit-error-rate performance. The EDM packet data mode supports packet data transfer from the airborne host computer to another airborne platform, or to the ground-based equivalent SINCGARS system. The radio is Enhanced System Improvement Program (ESIP) waveform compatible and provides voice and data packet retransmission capabilities as well as improved noisy channel avoidance for enhanced Frequency Hopping (FH) synchronization.



SECURE, ANTI-JAM AIRBORNE COMMUNICATIONS

ENHANCED

- > Optimized SWaP
- > Supports future digital battlefield requirements
- > Compatible with existing SINCGARS Data Modes

