

## **L3HARRIS AN/ARC-201E**

### **Export SINGARS Airborne Radio**

The L3Harris AN/ARC-201E is a field-proven, lightweight network radio providing secure and reliable mission-critical communications for airborne forces.



Combining three Line Replaceable Units into a single solution, the L3Harris Export SINGARS Airborne Radio integrates COMSEC and a Data Rate Adapter (DRA) to deliver secure anti-jam communications.

Backwards compatible with both TACFIRE and 16K data modes, the AN/ARC-201E provides improved noisy channel avoidance for enhanced frequency hopping (FH) synchronization.

The AN/ARC-201E incorporates a number of updated features so the radio can assume future digital battlefield requirements. These include improved error correction and flexible remote control.

Lightweight, innovative and secure, the AN/ARC-201E is an excellent airborne communications solution for the modern battlespace.



### **SECURE, ANTI-JAM AIRBORNE COMMUNICATIONS**

#### **KEY BENEFITS**

- > SWaP-optimized networking solution for airborne platforms
- > TACFIRE and 16K compatible
- > Operates in the 30-88 MHz VHF-FM range
- > Supports future digital battlefield requirements

RECEIVER	
Noise Figure	10 dB
Image Rejection	MIL-STD 461A
IF Rejection	100 dB minimum

TRANSMITTER	
Power Output	10 watts nominal
Harmonic Suppression	MIL-STD 461A
Transmitter Spurious Responses	100 dB
Frequency Deviation	± 6.5 kHz

POWER	
Primary Power	28 VDC per MIL-STD 704 (<5 amps maximum)

INTERFACES	
Interfaces with the following avionics equipment	<ul style="list-style-type: none"> <li>• ID-1351A homing meter</li> <li>• C-16111, C-6533, C-10414 intercoms</li> <li>• AM-7189A/ARC 40 W power amplifier</li> </ul>

TECHNICAL FEATURES	
Jam-resistant communications	
Voice and data	
Built-in amplitude homing	
Integrated COMSEC	
Integrated DRA functions:	
<ul style="list-style-type: none"> <li>• TACFIRE and SINCGARS data modes: 16,000 bps</li> <li>• 1553B bus provides radio control</li> </ul>	
Built-in test	
AM-7189A/ARC-compatible	
Six FH presets (including TRANSEC keys)	
Six single channel presets plus manual and cue channels	
Improved noisy channel avoidance to enhance FH synchronization	
Voice compatibility in packet	

FUNCTION	
30-88 MHz VHF-FM	
2,320 channels	

#### Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.