

# AN/APX-124(C)

## Digital transponder with mode 5 and mode S

BAE Systems' AN/APX-124(C) digital transponder has all the features of the AN/APX-123(V) transponder plus increased processing and memory reserve for future growth requirements. It also has fewer SRUs, providing improved maintainability and reduced logistics.

### Description

Our common transponder (CXP) products incorporate all of the advanced features required in today's global military and civil air traffic control environments. The AN/APX-124 transponder contains an NSA-certified M4/M5 crypto and meets all U.S. and NATO mode 5 requirements. The transponder's open-system architecture design and high-density field-programmable gate array technology ensures ongoing versatility and future utility through software upgrade only, without the risk and cost associated with hardware modifications.

### FEATURES

Supports modes 1, 2, 3/A, C, 4, and mode 5, level 1 and 2

Supports mode S, level 3, per RTCA/DO-181C

Elementary surveillance (ELS) and enhanced surveillance (EHS) compliant

ADS-B out-capable per RTCA/DO-260A

DoD AIMS 03-1000A-certified

MIDS and JTIDS compatible

ADS-B in growth for situational awareness

NSA-certified M4/M5 crypto



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### SPECIFICATIONS

- Weight	Less than 12 pounds (with embedded M5 crypto)	- Reliability	2,300-hour predicted MTBF in airborne uninhabited platform
- Dimensions	5.375" H x 5.375" W x 8.375" D	- Maintainability	Front-panel BIT activation and LRU and WRA status indicator for rapid verification of operational readiness
- Power	Available for use with 28 Vdc IAW MIL-STD-704. Typically less than 35 watts; 60 watts maximum		

### FOR MORE INFORMATION, CONTACT:

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