

AN/APX-123(V)

Common transponder with mode 5 and mode S

BAE Systems' common transponder (CXP) is the U.S. Navy and Army standard transponder for all retrofit and new platform applications.

Description

Our CXP products incorporate all of the advanced features required in today's global military and civil air traffic control environments. The AN/APX-123 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. The CXP is configured for replacement of all AN/APX-100, AN/APX-101, AN/APX-108, AN/APX-64, AN/APX-72 and AN/UPX-28 transponders.

FEATURES

Flexible interface designed to accommodate retrofit and new installations

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

Supports mode S level 3 and interface to TCAS II systems per RTCA/DO-181C

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

ADS-B Out compliant per RTCA/DO-260A

DoD AIMS 03-1000A-compliant

NSA-certified M4/M5 crypto

MIDS and JTIDS-compatible

ADS-B In growth for situational awareness

Optional remote control unit for use on non-based platforms

MIL-STD-1553 control and status for glass cockpits



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SPECIFICATIONS

Transponder

- Weight Less than 12 pounds (with embedded crypto)
- Dimensions 5.375" H x 5.375" W x 8.375" D
- Power Available for use with 28 Vdc IAW MIL-STD-704. Typically less than 35 watts; 60 watts maximum
- Reliability 2,300-hour predicted MTBF in airborne-uninhabited platform; 8,800-hour predicted in inhabited environment
- Maintainability Front-panel BIT activation and LRU/WRA status indicator for rapid verification of operational readiness

Remote control unit (RCU)

- Weight Less than three pounds
- Dimensions 5.25" H x 5.75" W x 3.00" D

FOR MORE INFORMATION, CONTACT:

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