

AN/APX-117(V) and AN/APX-118(V) Common transponders (CXP)

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

Description

Our CXP products incorporate all of the advanced features required in today's global military and civil air traffic control environments. 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 direct 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 growth

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

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

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

DoD AIMS 97-1000-certified

MIDS and JTIDS-compatible

ADS-B In growth for situational awareness

Optional remote control unit for use on non-bused platforms

MIL-STD-1553 control and status for glass cockpits

AN/APX-118(V) has an embedded M4 cryptographic computer

AN/APX-117(V) facilitates applications with or without an external cryptographic computer



AN/APX-117 and AN/APX-118

AN/APX-117(V) and AN/APX-118(V)

Common transponders (CXP)

SPECIFICATIONS

Transponder

- Weight 10 pounds
- Dimensions 5.375" H x 5.375" W x 8.375" D
- Power Both the AN/APX-117(V) and AN/APX-118(V) are available for use with either 28 Vdc or 115 Vac IAW with MIL-STD-704. Typically less than 35 watts; 50 watts maximum
- Reliability 4,800-hour predicted MTBF in airborne-uninhabited platform. 15,000 hour predicted MTBF 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:

BAE Systems
450 Pulaski Road
Greenlawn, New York 11740-1606 USA
Telephone 631 262 8220
Fax 631 912 1555
www.baesystems.com

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