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

Common transponders

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

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 and benefits

- Flexible interface designed to accommodate retrofit and new installations
- Elementary surveillance (ELS) and enhanced surveillance (EHS)-compliant
- ADS-B Out-compliant per RTCA/DO-260A
- MIDS and JTIDS-compatible
- Optional remote control unit for use on non-bused platforms
- MIL-STD-1553 control and status for glass cockpits
- Ethernet and RS-232 for shipboard control
- AN/APX-118(V) has an embedded M4 cryptographic computer
- AN/APX-117(V) facilitates applications with or without an external cryptographic computer

Transponder

**Weight** Less than 12 pounds

**Dimensions** 5.375” height x 5.375” width x 8.375” depth

**Power** Both the AN/APX-117A(V) and AN/APX-118A(V) are available for use with 28 Vdc IAW with MIL-STD-704. Typically less than 40 watts; 70 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” height x 5.75” width x 3.00” depth

Specifications

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