

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

- Flexible interface designed to accommodate retrofit and new installations
- Supports Modes 1, 2, 3/A, C, 4, and Mode 5 growth
- Mode 5 upgrade kits available
- 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
- Optional remote control unit for use on non-based platforms
- MIL-STD-1553 control and status for glass cockpits
- Ethernet and RS-232 for shipboard control
- FAA TSO certification
- 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-117/A(V) and AN/APX-118/A(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

For more information contact:

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