

**MILACAS-XR**

**Honeywell**



POSSIBILITIES OF SAFETY. *MADE EASY.*

**MILACAS-XR TCAS II Processor.  
Change 7.1 For New Installations  
and as Replacement for TPA-81A**

# MILCAS-XR TCAS II Processor

The Smart Traffic TM TPA-100 family of ACAS II Processors is designed for higher reliability and future growth to ADS-B In. The MILACAS-XR is available in both a 6 MCU and 4 MCU models. MILACAS-XR (Extended Range) provides 2X surveillance range than ETCAS. Utilizing improved interrogation methods and Hybrid Surveillance (Automatic Dependant Surveillance Broadcast - ADS-B). MILACAS-XR surveillance range is 100 nm for 360° azimuth. The system is approved by civil and military frequency management organizations, including the U.S. National Telecommunications and Information Administration for installation on all military aircraft. In addition to the increased range, MILACAS-XR provides the same functions that have made ETCAS the largest selling military TCAS product in the world. The MILACAS-XR is designed to be direct replacement of the TPA-81A. Based on TPA-100, Honeywell's new generation TCAS line, the MILACAS-XR uses the identical hardware platform and maintains all the civil ACAS II performance requirements as well as the additional military unique features.

- MILACASXR received initial FAA TSO in May 2005 and now available with MOPS Change 7.1.

## Find Out More

For more information on this or other Honeywell surveillance products, please call 954.753.2139.

## Honeywell Aerospace

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## Specifications

Temperature Range (operating)	-55 C to +70 C
Temperature Range (non-operating)	-55 C to +85 C
Reliability	30,000 Hours
Cooling	Recommended but not required
EMI	Per DO-160D
RF Power	400 watts nominal
Transmit Frequency	1030 MHz
Receiver Frequency	1090 MHz
Mounting	Mounting Tray (ARINC 600)
Physical Dimensions 6 MCU	Height 7.62 in. (19.35 cm) Width 7.50 in. (19.01 cm) Length 15.02 in. (36.7 cm) Weight 12.5 lbs (6.2 kg)
Physical Dimensions 4 MCU	Height 7.62 in (19.35 cm) Width 4.90 in (12.01 cm) Length 15.02 in (36.6 cm) Weight 12.0 lbs (6.1 kg)
Power Requirement	115 Vac and/or 28 Vdc
Power Input Required	50 W nominal, 60 W maximum
Power Dissipation	50 W maximum
Interfaces	Per ARINC 735A
Software Loading	PCMCIA, ARINC 615, Ethernet
Aircraft Application	Meets all civil requirements for ACAS II
Environmental Requirement	Per DO-160D
Dedicated external ports/connections	RS-232, ARINC 615 Data Loader/Recorder and others per ARINC 735
Test Equipment Required	Depot Level Only
BIT Capability	Internal and System Level
Design Characteristics	ARINC 735A, DO-185
Available Documentation	System Installation and Maintenance Manual and Component Maintenance Manual
Certification	TSO C119b
Standar Equipment On	C-130J, V-22, C-27J, CN-295, VH-71, CX & PX

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