# MILACAS-XR

**TCAS II Processor**

for tanker and transport aircraft

## MILACAS-XR

**System Extended Range (MILACAS-XR)**

Incorporates Change 7.1 logic and hybrid surveillance to provide a 2x greater surveillance range than ETCAS, significantly reducing the risk of collision while meeting mandates for civilian airspace access.

### Safety

**Increases Flight Safety**

Identifies all aircraft in range of surveillance of up to 100 nautical miles

- Reduces Pilot Workload
- Advisory Action Callouts

### Integrates MOPS Change 7.1 Technologies

Includes safety related enhancements to TCAS and TCAS Reversals:

- Improves TCAS resolution advisory (RA) sense
- Issues RA reversals in coordinated encounters
- Updates TCAS reversal advisories for clarity

### Enables Safer Flight Formations

Formation/Rendezvous System allows aircraft operators to locate, identify, rendezvous with and maintain flight formation with other aircraft.

### Performance

**Greater Surveillance Range than ETCAS**

Delivers same functions as ETCAS, plus

- Increased surveillance range to 100 nautical miles for 360° azimuth
- Improved interrogation methods
- Hybrid surveillance (automatic dependent surveillance broadcast - ADS-B)
- MILACAS-XR: Change 7.1 TCAS is compatible with the APX-119 IFF and other similar IFFs

## Value

**Up To 25,000 Hours**

Mean Time Between Failure (MTBF)

Improved performance with lower cost of ownership

### Reduced Maintenance Costs

Plug and play installation requires no aircraft modifications or changes to wiring, trays or antennas

### Drop-in Replacement

Knowledge and resources for all service needs – whenever and wherever maintenance and repair services are required

**Global Service and Support Network**

**Smart Traffic™ TPA-100 family of ACAS II Processors** provides higher reliability and future growth to ADS-B In.

- MILACAS-XR approved for installation on all military aircraft
- Available in both a 6 modular concept unit (MCU) and 4 MCU model
- Meets current industry mandates for access to civilian airspace

**Made in the USA**

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