



AEROSPACE

CAS 67A TCAS II Enhanced/ACAS The Worldwide Choice



Experience

- Acknowledged leader in development of collision avoidance systems
- 45+ years of experience in collision avoidance technology
- Received first Traffic-Alert and Collision Avoidance System (TCAS) certification for unrestricted use
- Full range of TCAS/ACAS equipment for corporate, airline, helicopter and military applications

Performance

- Complies with all worldwide ACAS II/TCAS II requirements
- Advanced technology offers high reliability, built-in testing and software diagnostics
- Manages closing rates of 1200 kts. and 10,000 ft/min. vertical speed
- Escape maneuver coordination
- Multiple display options include EFIS, weather radar and multifunction displays (MFD)



The CAS 67A installation comprises a TPU 67A processor, MST 67A transponder, IVA81D displays, a KFS 578A controller and one or two ANT 67A antennas.

Collision avoidance today, free flight tomorrow

Honeywell's new CAS 67A TCAS II Enhanced/ACAS II for corporate and regional aviation is the first system of its type to receive FAA Technical Standard Order (TSO) approval. In addition to meeting international ACAS II standards for collision avoidance, the CAS 67A TCAS II offers two levels of protection in today's increasingly complex flight environment. First, it serves as a moving line of defense against midair collisions. And second, it dramatically increases situational awareness on the flight deck. Simply, CAS 67A TCAS II is designed to provide protection today and well into the future.

Honeywell's CAS 67A TCAS II is the perfect predictive tool, wherever you fly. It helps extend crew awareness further in front of the aircraft, provides traffic alerts and resolution advisories, and it directs the pilots' visual scan, revealing targets they might otherwise miss.

This forward-looking approach to collision avoidance started in 1955, when Dr. J. S. Morrell of Bendix published *The Physics of Collisions*. Including the algorithm that defines the rate of closure between approaching aircraft, this seminal work became the basis for the development of all collision avoidance systems (CAS).

Through the 1960s and 1970s, Honeywell led the way in collision avoidance, developing prototype systems for the U.S. Army and FAA. In the 1980s, when TCAS II was mandated for the airlines, we were ready with patented hardware that surpassed FAA requirements for signal processing and accuracy.

Today with its advanced capability, the CAS 67A TCAS II serves as a cornerstone of the upcoming free flight architecture, embodying the future aeronautical navigation system (FANS) concept GATM/GANS for military applications. CAS 67A TCAS II is just one of Honeywell's full range of safety offerings, including enhanced ground proximity warning system (EGPWS), weather radar and data recorders.

Your safety is our business

Here are just a few reasons why Honeywell's TCAS II systems have outsold all others combined:

- 1) We literally invented the concept of TCAS II, developing the algorithm that became the basis for all the collision avoidance systems used today.
- 2) Since its introduction in 1994, our previous-generation CAS 67A TCAS II has been the leading choice for the Fortune 500 fleet.
- 3) Offering the widest range of configuration options, our collision avoidance systems give you more processor, display, antenna, transponder and interface options than those of any other manufacturer.
- 4) Our systems can be readily configured for a wide range of aircraft, including corporate aircraft, regional airliners, and military/government applications.
- 5) With more than 10,000 airline and corporate installations and hundreds of thousands of service hours, our experience in TCAS II specification, installation, certification and support is unequalled.
- 6) Our modular processor architecture simplifies projected upgrades to forth-coming FANS/free flight requirements, reducing risk and protecting your investment.
- 7) We also offer a TCAS I system that can be upgraded to an TCAS II configuration.

The right choice

Backed by Honeywell's worldwide network of support centers, the CAS 67A TCAS II Enhanced offers you an extra measure of confidence wherever you fly.

With our membership in the numerous industry committees that define new operating standards, you can be sure Honeywell systems will continue to meet all new performance directives, from increases in range to a greater capacity to identify potential conflicts. Additionally, with Honeywell's ongoing leadership in the development and integration of airborne safety systems, our customers stand to benefit first from new product developments.

In short, whether you're planning for today or tomorrow, Honeywell's CAS 67A TCAS II is the clear choice.

Ease of installation

- Hundreds of U.S./international retrofit certifications available
- Worldwide customer support network

Growth capacity

- ADS-B upgradeable
- FANS/free flight growth path



CAS 67A TCAS II core component specifications

TPU 67A TCAS II processor

Height: 7.62 in. (19.36 cm)
Width: 4.50 in. (11.43 cm)
Length: 15.02 in. (38.15 cm)
4 MCU
17.0 lb. (7.73 kg)
TSO C119B
28VDC, 80W operating power

ANT 67A TCAS II directional antenna

Height: 1.00 in. (2.54 cm)
Width: 6.25 in. (15.88 cm)
Length: 11.00 in. (27.94 cm)
2.0 lb. (.9 kg)
TSO C118 and C119A

MST 67A Mode S transponder

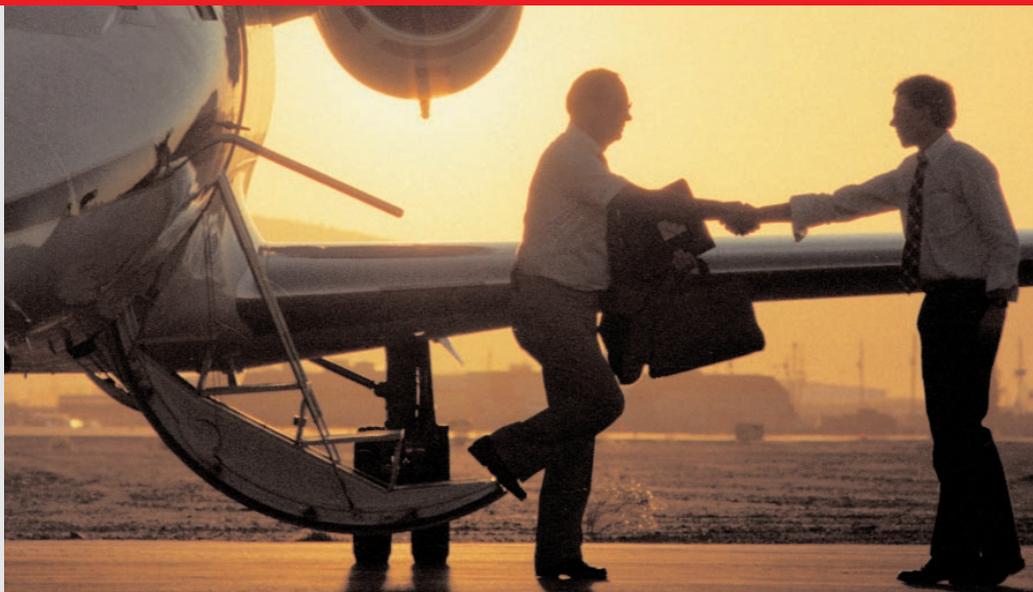
Height: 2.25 in. (5.72 cm)
Width: 15.00 in. (38.10 cm)
Length: 7.63 in. (19.38 cm)
2 MCU
8.50 lb. (3.86 kg)
TSO C112
28VDC, 2A (max.) operating power

IVA 81D TAWS

Height: 3.18 in. (8.08 cm)
Width: 3.18 in. (8.08 cm)
Length: 8.65 in. (21.97 cm)
2.75 lb. (1.25 kg)
TSO C119, C8c
28VAC, 115VAC, 400Hz operating power

KFS 578A Mode S/ACAS II/TCAS II controller

Height: 2.09 in. (5.31 cm)
Width: 2.25 in. (5.72 cm)
Length: 7.38 in. (18.75 cm)
1.0 lb. (.45 kg)
TSO C112
28VDC, 20mA operating power

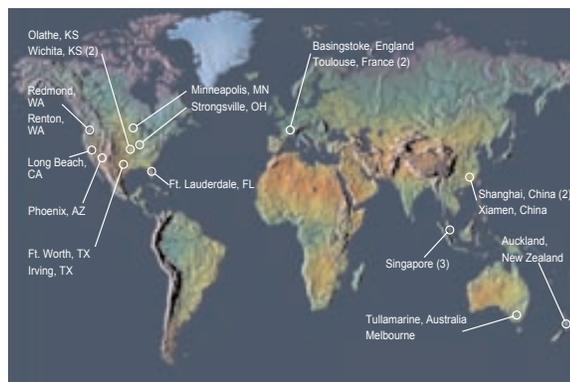


Worldwide customer support

Honeywell's avionics are based on proven technology to provide you with exceptionally high reliability and simplified maintenance.

Our award-winning product support services include regularly scheduled training classes offered worldwide for both flight crews and maintenance personnel. When service is needed, Honeywell's global network of service and support is the front line for your CAS 67A TCAS II Enhanced support.

Honeywell's customer and product support organization is committed to keeping your collision avoidance system operating day and night, around the world.



Honeywell

Business, Regional & General Aviation

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