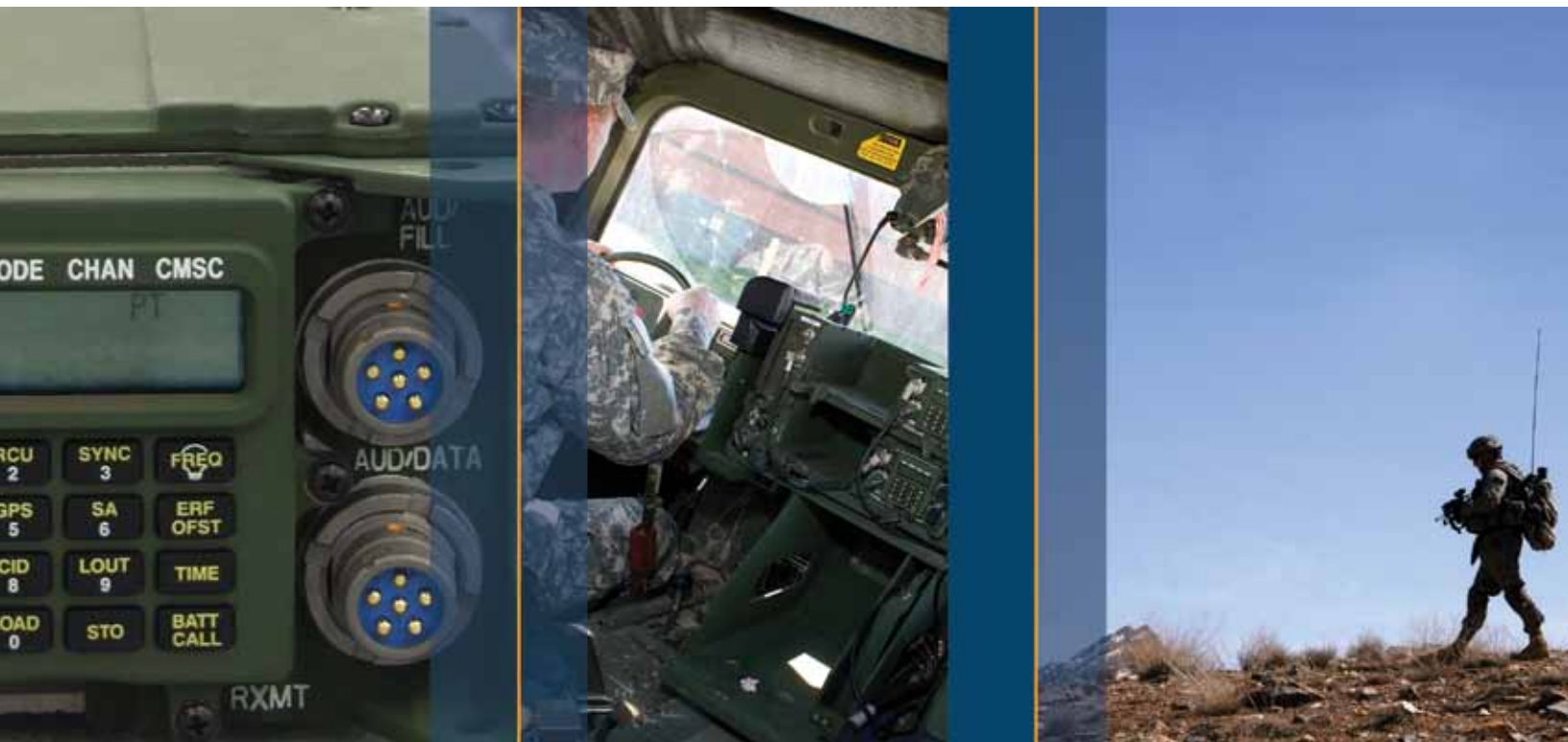




# ITT

## GPS SAASM Kit

A government approved "plug and play" GPS upgrade to your SINCGARS radio for increasing overall situational awareness on the battlefield.



*Engineered for life*

Photos courtesy of the U.S. DoD and ITT Corporation.

# GPS SAASM Kit

The ITT Selective Availability Anti-spoofing Module (SAASM) for SINGARS RT-1523 provides state-of-the-art technology for protecting Warfighters. Built to exceed the standards of the GPS Wing, the ITT SAASM enhances the Warfighter's ability to use GPS precise positioning, velocity, and time, in all environments.

The GPS SAASM Kit is ideal for vehicular or dismounted applications seeking secure navigation capability while utilizing existing real estate and minimal cost to upgrade. With an installed SINGARS base already in place, the Warfighter will realize further benefits in familiarity/training as well as a mature logistics and supply chain.

Finally, the SINGARS with embedded SAASM GPS receiver provides the only integrated navigation/communication unit which enables Radio Based Combat Identification (RBCI). The Warfighter will benefit from a dramatic increase in overall situational awareness and the ability to conduct "blue force" tracking. Best of all, this capability is available and ready for fielding TODAY.

## Features

- SAASM KDP II technology
- Dual frequency all-in-view
- 12-channels simultaneous/continuous tracking
- Low-power, 3.3 V technology
- 4 serial ports: RS-422, RS-232, CMOS (2)
- Selectable 1PPS, 10PPS, Time Mark, UTC
- 1PPS Time-sync
- ICD-GPS-060 PTTI and HVQCK
- DS-101 and DS-102 key loading
- Over the Air Rekeying (OTAR)
- SINGARS time fill
- ICD-GPS-153 compliant
- Extended function capability
- High-jamming environmental tolerant
- Software reprogrammable for system upgrade

## SINGARS GPS SAASM Kit

- GPS SAASM Card
- L1 and L2 GPS Antenna
- Enhanced Control Display Unit (ECDU)

## Installation as easy as 1-2-3

1. Remove cover
2. Insert module
3. Close cover

## Performance

- Accuracy
- PPS position accuracy: 10 m, SEP
- Navigation
- Altitude: -700 to 25,000 m
- Time: < 50 nsec
- TTFF: < 40 s (95%) Warm Start



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The GPS Wing has determined this information is suitable for public release - case 07-63.

Specifications are subject to change without notice. Sales of militarized GPS equipment is restricted to authorized users only. Consult the Global Positioning Systems Wing at <http://gps.losangeles.af.mil> or reference CZU-03-071 for information on how to obtain GPS Host Application Equipment.

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