

TAM-442

Maximize your ROI using Honeywell's next-generation battery powered asset tracking terminal

The TAM-442 from Honeywell Global Tracking is an all-new satellite terminal that provides fully secure Global coverage. TAM-442 is an affordable, reliable and robust cost-effective tracking solution for a wide range of applications. It offers full tracking and monitoring capabilities for fixed and mobile assets such as trailers, containers, trucks, oil & gas equipment and railcars anywhere in the world. The TAM-442 includes a rechargeable battery, making it ideally suited for shorter missions with more frequent reporting.

New Key Features

- Over The Air (OTA) Configuration**
 Configure your terminals easily over the air and manage reporting intervals via user-friendly device management portal
- Vehicle Charger**
 You can now operate your terminal normally even while charging, maximizing terminal uptimes
- 2 x General Purpose Input Ports**
 Connect up to two external sensors simultaneously using the Dual Connector cable, e.g. panic button and door sensor
- Configurable Input Ports:**
 Configure the terminal's General Purpose Input port(s) to be Analog or Digital when connecting external sensors
- Rugged Connector**
 The extra robust input connector has been improved to be able to withstand years of use in harsh conditions
- Oil & Gas Certification***
 Class 1, Div 2 certification for use in oil & gas applications
- Status LED**
 A quick glance allows you to determine terminal status, battery and charging state
- User Configurable Wakeup Intervals**
 Allows the terminal to regularly wake up and look for changes in its own reporting rate – preventing delays in the switchover to the new reporting rate
- Improved Battery Life**
 Offers longer uninterrupted service
- Advanced Mapping & Tracking**
 Use the ViewPoint application to easily track and monitor all assets, set up geofences, monitor alerts and create detailed reports



Door Sensor & cable



Dual Connector & optional charger cable



Panic Button & cable



Vehicle auxiliary power outlet cable

Additional Features

- Global Coverage**
 Offers secure satellite connectivity worldwide
- Always Connected**
 Tracks and monitors mobile assets anywhere
- Highly Accurate GPS Positions**
 Generates accurate GPS reports, sends secure positionlogs and offers configurable reporting intervals and remote polling
- Affordable and Reliable**
 Field-proven and cost-effective tracking solution for a wide range of applications
- Rugged Enclosure**
 IP66/IP67**-rated terminal is designed for even the most challenging environments

**IP67 is under evaluation

TAM-442, TAM-442-C1D2 Technical Specifications

Physical	
Dimensions	247 mm x 178 mm x 48 mm (9.7" x 7.0" x 1.9")
Weight	1.5 kg (3.3 lbs)
Mounting	Screws, magnetic feet
Environmental	
Operating Temperature	-35°C to +70°C (-31°F to +158°F) Charging temp: 0°C to +45°C (32°F to +113°F)
Humidity	≤95% @ +40°C (+104°F) non-condensing
IP Rating	IP66 & IP67*
Interfaces	
Serial Interface	Asynchronous serial RS232
Baud Rate	9600 bps
Parity/Data Bits/Stop Bits	N, 8, 1
Battery Life (Lithium-Ion, Rechargeable)	
Typical Battery Life in Weeks at 20° C	(Battery lifetime will be reduced when operating in low temperatures.)
Reporting Rate: 15 min (default)	5 weeks typical
Reporting Rate: 1 hr	16 weeks typical
Reporting Rate: 6 hrs	Up to 36 weeks
Time To Charge	7 hrs, from fully discharged
Battery Charging	
Charging Input Voltage Range	9.6V to 30V (Front panel connector) 11V to 30V (Using vehicle charging cable)
Charging Input Current	Maximum 2A
Satellite Connectivity	
Transmitter	EIRP: 0-9dBW Modulation 2 level FSK: 20 Hz tone spacing Tx burst duration: 2s or 8s
Receiver	G/T: ≥-25dB/K at EL = 30° Modulation: 32-ary FSK, 20Hz tone spacing
Elevation Angle	0° - 90°
Frequency Range	Transmit: 1626.5-1660.5 MHz Receive: 1525.0-1559.0 MHz GPS: 1575.42 ± 1.0 MHz
GPS	Channels: 50 Typical time to first fix: Cold Start: <29 seconds Hot Start <1s (GPS was off for less than 2 hours) Typical position accuracy (with clear sky view) (SA Off): 2.5m (8ft) (CEP, 2D) Dynamic capability: Velocity 515 m/s maximum Acceleration ≤4g Maximum update rate 1s
Accessories	
Via General Purpose Input port (Analog/Digital configurable)	Dual Connector & Charger Cable Programming Cable Panic Button Door Sensor
Power Supply	Standard single-unit charger Vehicle auxiliary power outlet cable (should not be used in C1D2 environments)
Certifications	
Class 1, Div 2	Yes. (NOTE: The TAM-442 should not be used in C1D2 environments while connected to the vehicle's auxiliary power socket.)
Inmarsat Type Approval	Yes
FCC Compliant	Yes
CE	Yes
RoHS	Yes
Anatel Compliant	Yes

For more information

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