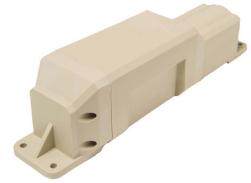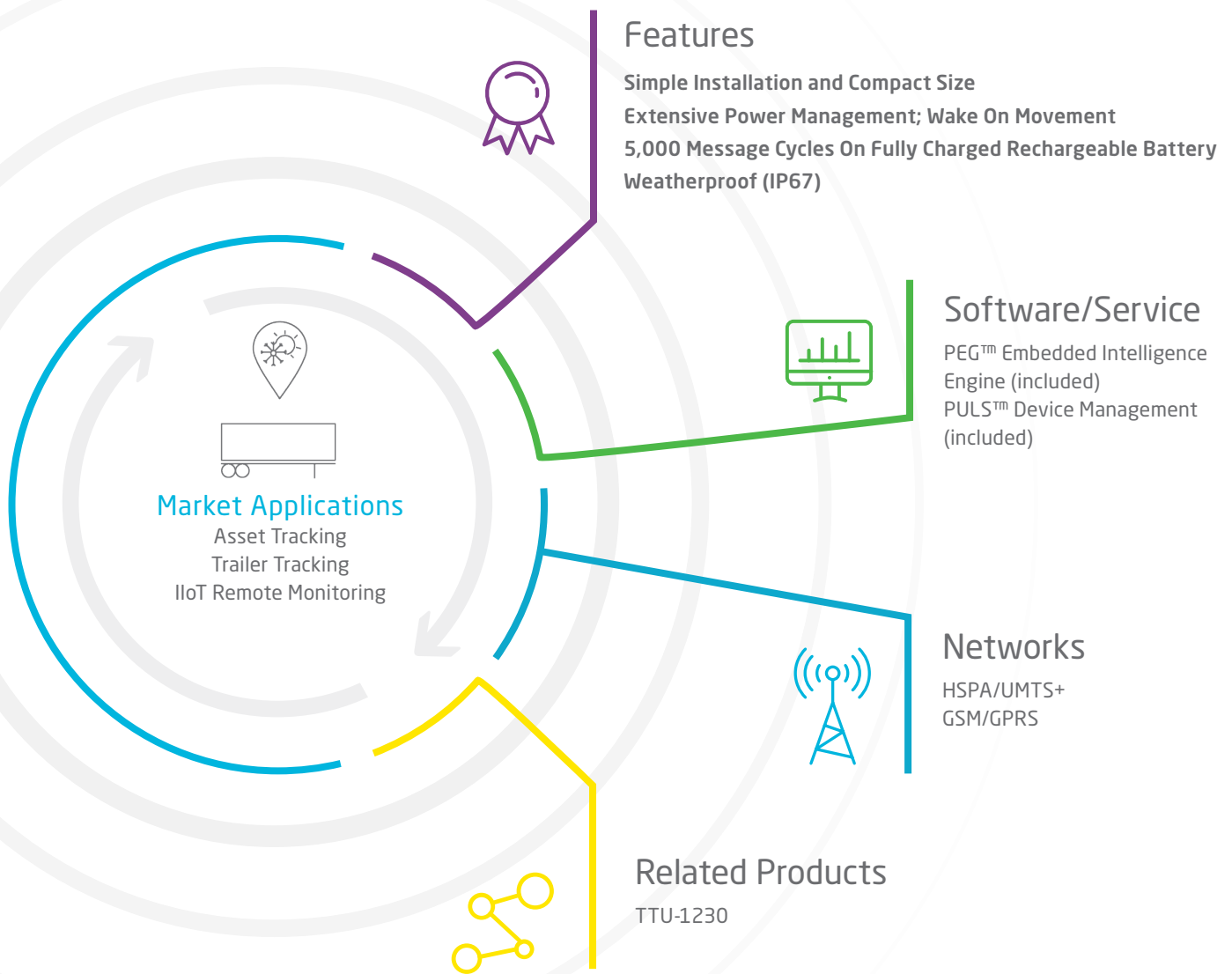# TTU-720™

Compact Battery Operated Asset Tracker Made for Rapid Deployment and Extended Use Across Many Industries

The TTU-720™ is designed to support multi-year deployments using the PEG intelligence engine which enables extended life performance to reliably deliver asset status. Best suited for unpowered assets in extreme and rugged environments, this asset tracker features a durable weatherproof casing and internal antennas for simple installation.

Features

Simple Installation and Compact Size
Extensive Power Management; Wake On Movement
5,000 Message Cycles On Fully Charged Rechargeable Battery
Weatherproof (IP67)

Software/Service

PEG™ Embedded Intelligence Engine (included)
PULS™ Device Management (included)

Market Applications
Asset Tracking
Trailer Tracking
IIoT Remote Monitoring

Networks

HSPA/UMTS+
GSM/GPRS

Related Products

TTU-1230

TTU-720™ Technical Specifications

Cellular/Network

HSPA/UMTS	900 (VIII)/800 (VI)/850 (V)/1700 (IV)/1900 (II)/2100 (I) MHz
GSM/GPRS	850/900/1800/1900 MHz
HSPA Data Rates	5.6 Mbps upload/7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band/EDGE MCS1-MCS9/3GPP Release 6

Data Support

SMS, UDP Packet Data

Satellite Location (GNSS)

Constellation Support	Hybrid GPS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)
Channels	50 Channel
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
Location Accuracy	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
AGPS Location assistance capable	

Certifications

Industry Certifications	FCC, CE, IC, PTCRB, RoHS

Device Management

PULS™	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely

Embedded Intelligence Engine

PEG™	Behavioral scripting (8-bit support)

Electrical

Operating Voltage	3.6V internal battery
Power Consumption	Typical <100µA @ 12V (deep sleep)
	Typical 70mA @ 12V (active standby)

Battery Pack

Battery Capacity	Up to 57 Ah
Battery Technology	Lithium-Ion

Environmental

Temperature	-30° to +75° C (operating tethered)
	-40° to +85° C (storage)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	SAE J1113
Ingress Protection Rating	IP67

Physical/Design

Dimensions	2.25 x 2.25 x 10.5" (55 x 55 x 260 mm)
Weight	32 oz. (907g)

Connectors/SIM Access

GPS Antenna	Internal
Cellular Antenna	Internal
SIM Access	Internal (2FF SIM)

Product Options

CalAmp Telematics Cloud API

Customized hardware and software development