TTU-730™

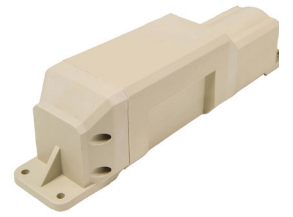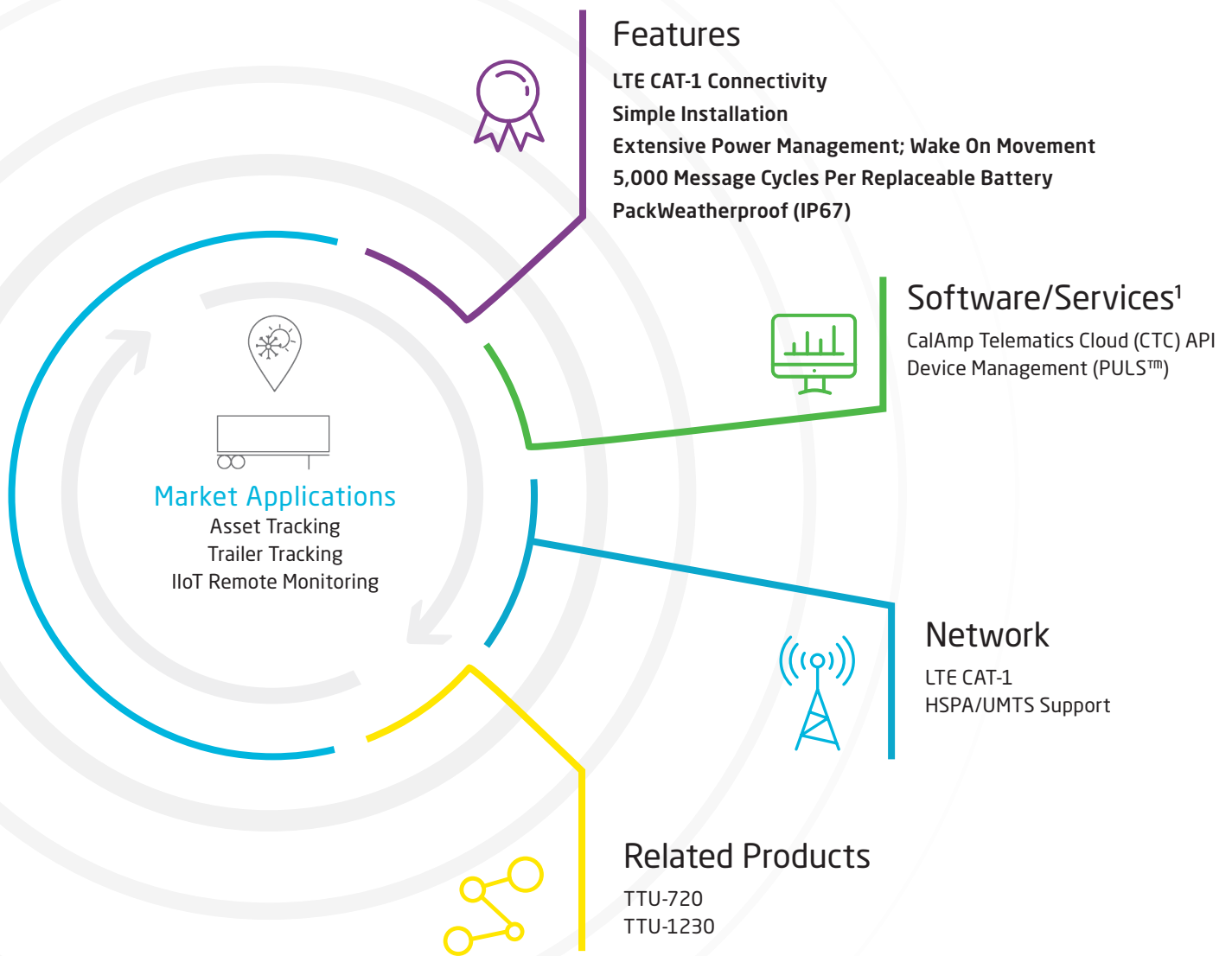## LTE CAT-1

An LTE Enabled, Battery Operated Asset Tracker Made for Rapid Deployment, Extended Use and Reliable In-Field Installation

The TTU-730™ LTE CAT-1 is a battery operated asset tracking device designed for multi-year deployments. PEG™ intelligent capabilities, enable proven performance for extended life. Weatherproof design incorporating internal antennas simplifi es installation making it best suited for unpowered assets in extreme and rugged environments.

Features

LTE CAT-1 Connectivity
Simple Installation
Extensive Power Management; Wake On Movement
5,000 Message Cycles Per Replaceable Battery
PackWeatherproof (IP67)

Software/Services[1]

CalAmp Telematics Cloud (CTC) API
Device Management (PULS™)

Market Applications

Asset Tracking
Trailer Tracking
IIoT Remote Monitoring

Network

LTE CAT-1
HSPA/UMTS Support

Related Products

TTU-720
TTU-1230

TTU-730™ LTE CAT-1 Technical Specifications

Cellular/Network

North American Variant I	
LTE CAT-1	1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B17) MHz
HSPA/UMTS	850 (V)/1900 (II) MHz
North American Variant II	
LTE CAT-1	AWS 1700 (B4)/700 (B13) MHz

Data Support

SMS, UDP Packet Data

Satellite Location (GNSS)

Constellation Support	GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)
Channels	55 Channel
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-157 dBm (hot start)
	-148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (SBAS 24 hours static)
Location Update Rate	1 Hz
AGPS Location assistance capable	

Certifications

Industry Certifications	FCC, IC, PTCRB, RoHS

Cloud/Software Services[1]

PULS™	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CTC	Device data stream via RESTful APIs

Edge Intelligence[1]

PEG™	Behavioral scripting (8-bit support)
Accelerometer	Built-in, triple-axis (motion sensing, tilt detection)
Geo-fences	10 built-in
Buffered Messages	2000

Electrical

Operating Voltage	3.6V internal battery
Power Consumption	Typical 30uA @ 3.6V (hibernate)
	Typical 50uA @ 3.6V (deep sleep)
	Typical 50mA @ 3.6V (active GPS tracking only)
	Typical 80mA @ 3.6V (cellular idle only)

Battery Pack

Battery Capacity	Up to 57 Ah
Battery Voltage	3.6V
Battery Technology	Lithium Primary

Environmental

Temperature	-30° to +65° C (operating tethered and storage)
Humidity	85% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	IEC 61000-4-2 (4KV test)
Ingress Protection Rating	IP67

Physical/Design

Dimensions	9.90 x 2.35 x 2.45" (251 x 60 x 62 mm)
Weight	23.2 oz. (658 g)

Connectors/SIM Access

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

Product Options

CalAmp Telematics Cloud API

[1] Subscription service enabled. Contact sales rep for additional details.