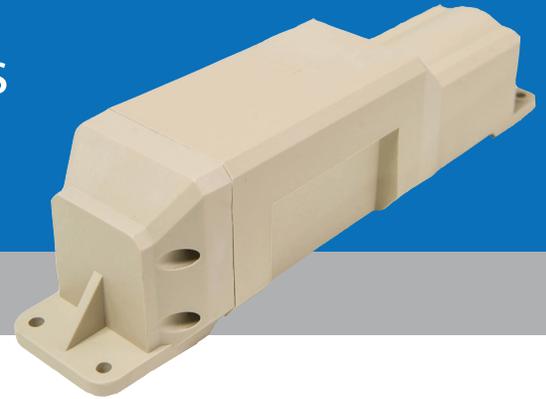


TTU-700™ GPRS/CDMA/HSPA Series

7 Year non-rechargeable battery
operated Trailer Tracking Unit



EXPERIENCE THE ADVANTAGE

- GSM/GPRS, CDMA 1xRTT, or HSPA configurations
- Up to 5000 message cycles on a charged battery pack
- 7 year battery life with a single message per day
- Superior cellular and GPS performance
- IP67 sealed and rugged enclosure
- Built-in motion sensor
- Built-in cellular and GPS antenna for easy installation

The TTU-700 is a battery operated non-rechargeable trailer tracking product designed for reliable, multi-year deployments. The TTU-700 is an ideal solution for managing assets that will be deployed for long periods without maintenance needs.

COMPETITIVE PRICE, COMPETITIVE TECHNOLOGY, COMPETITIVE EDGE

The TTU-700 high-value tracking unit from CalAmp features a small size, superior GPS performance, and an internal 57 Ah battery. The TTU-700 is a complete trailer and asset tracking and communications device incorporating next generation, super-sensitive GPS technology on GSM/GPRS, CDMA 1xRTT and HSPA cellular networks for installation on the exterior of any mobile asset. Superior internal antennas for both cellular and GPS eliminate the need for wired antennas and make the TTU-700 mountable virtually anywhere on the trailer for easy, inexpensive installations. Messages are transported across the cellular network using enhanced SMS or UDP messaging providing a reliable communications link between the device and your application servers. The TTU-700 is designed to dramatically reduce cost of ownership, power and size while providing improving field reliability.

FLEXIBILITY

The TTU-700 employs CalAmp's industry leading on-board alert engine, PEG™ (Programmable Event Generator). The advanced PEG engine monitors external conditions and supports customer-defined exception-based rules. PEG continuously monitors the environments and responds instantaneously to pre-defined threshold conditions related to time, date, motion, location, geo-zone, input and other event combinations. With PEG, your unique application will meet demanding customer requirements. This behavior can be programmed by CalAmp before shipment, at a customer's facility, or over-the-air once the unit has been fielded.

OVER-THE-AIR SERVICEABILITY

The TTU-700 also leverages CalAmp's industry leading over-the-air device management and maintenance system, PULS™ (Programming, Updates, and Logistics System). Configuration parameters, PEG rules, and firmware can all be updated over-the-air. PULS offers out-of-the-box hands free configuration and automatic post-installation upgrades. PULS can also monitor unit health status across your customers' fleets to quickly identify issues before they become expensive problems.

TTU-700 SPECIFICATIONS

GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Location Technology	50 Channel GPS
Operating Voltage	3.6 volt internal battery pack

GPS

Location Technology	GPS
Enhancement Technology	SBAS: WASS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
Location Accuracy	2.0m
AGPS / Location assistance capable	

CELLULAR

Data Support	SMS, GPRS, CDMA 1XRTT or HSPA packet data
Operating Bands (MHz)	
GSM/GPRS	850/900/1800/1900
CDMA/1xRTT	850/1800
HSPA/UMTS	800(VI)/850(V)/900(VIII)/1700(IV)/1900(II)/ 2100(I)
Transmitter Power	
GSM/1xRTT	850/900/1800/1900
CDMA/1xRTT	850/1800
HSPA/UMTS	(all bands)
HSPA Data Rates	5.6 Mbps upload / 7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

About CalAmp

CalAmp Corp. (NASDAQ: CAMP) is a proven leader in providing wireless communications solutions to a broad array of vertical market applications and customers. CalAmp's extensive portfolio of intelligent communications devices streamline otherwise complex machine-to-machine (M2M) deployments. These solutions enable customers to optimize their operations by collecting, monitoring and efficiently reporting business critical data and desired intelligence from high-value remote assets. For more information, please visit www.calamp.com.

ENVIRONMENTAL

Temperature	-30° to + 75° C (operating) tethered -40° to + 85° C (storage)
Humidity	95% R.H. @ 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202G and 801G, SAE J1455
EMC/EMI	SAE J1113
RoHS Compliant	

ELECTRICAL

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

PHYSICAL

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

CONNECTORS, SIM ACCESS

SIM Access	Internal
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KEY FEATURES

- 7 years with single message cycle per day on fully charged batteries
- 57Ah lithium field replaceable battery pack
- IP67 sealed and rugged enclosure
- Packet data (GPRS, CDMA 1xRTT, or HSPA) and SMS-based messaging
- Internal cellular and GPS antennas
- Super Sensitive GPS (-162 dBm tracking)
- Built-in 3-axis accelerometer for motion sense
- Ultra low power sleep mode (<100µA)
- Voltage monitoring and low battery notification
- 2,000 buffered messages
- 10 built-in geo-fences
- PEG™ exception-based rules
- Automatic, over-the-air unit configuration on power-up (PULS™)
- Over-the-air firmware download (PULS™)
- Web-based device management (PULS™)

MOUNTING

Screw mounting bracket
Magnet Mount

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All specifications are typical and subject to change without notice

