

DATASHEET: TRAILER & ASSET TRACKER CP47



CP47 is a self-contained LTE Cat1 modem with integrated GPS engine, cellular antennas, accelerometer, motion detector, Wi-Fi and Bluetooth for optional wireless sensor integration, and 5 Ah internal rechargeable battery.

With a powerful 32-bit microprocessor and unique power management algorithm, CP47 consumes less than 120 μ A in sleep mode and yet capable of periodic reporting of health, status and location of remote assets. With multiple input and output ports along with proven embedded application, CP47 is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

CP47 has been designed with the latest GPS technology allowing GPS tracking under extreme conditions where most other competing products fail. The weatherproof case (meets IEC 68-2-27 environmental standard and is IP66 certified) allows CP47 to be used in a myriad of applications such as container, trailer, and motorcycle tracking.

CP47 is another example of our dedication to providing unique and innovative asset tracking products that address the ever growing number of applications and customer requirements.

KEY FEATURES

- AT&T or Verizon LTE Cat M1 or 4G Cat 1 with 3G fallback
- LED indicators for sensor activity and detections
- Over-the-Air firmware upgrade
- Supports FTP, HTTP, HTTPS
- 3-axis accelerometer and motion detector
- Internal temperature sensor
- Integrated GPS receiver and antenna
- Integrated LTE band antenna
- 5 Ah rechargeable battery
~ (5x The Battery Life of The CP45)
- 4MB flash memory
- IP 66 rated enclosure
- Optional Wi-Fi and Bluetooth for wireless sensors

USE CASES

- Trailer and Chassis (wired installation)
- Generators
- Mobile Lighting
- Agriculture
- Pipeline



CP47 SPECIFICATIONS:

MECHANICAL	
Dimensions	5.13" X 2.72" X 1.61" (130.3 x 69.1 x 40.9 mm)
Weight	0.55 lbs (249.5 g)
PHYSICAL CONNECTIONS	
Harness Connector	8-pin circular bayonet
Serial Interface	UART, CoAP
Optional I/O	2 Digital Input
	3 ADC Inputs
	1-wire bus
Multi-function Button	WiFi/BLE Pairing, device wake-up
Operating Temperature	-22 °F to 158 °F (-30 °C to 70 °C)
POWER REQUIREMENT	
DC Power	DC 8-30 V
Internal Battery	5 Ah Li-Ion battery
Sleep Current	<120 µA typical
GPS MODULE	
Receiver Type	72 channel
Tracking Sensitivity*	-165 dBm
Accuracy	+/- 2.5 CEP
Certifications	FCC, PTCRP, IC

CELLULAR SPECS: AT&T OR VERIZON LTE CAT M1 OR 4G CAT 1 WITH 3G FALLBACK	
MNO	AT&T, Verizon
Supported Region(s)	United States
4G LTE FDD Bands	2, 4, 5, 12, 131
3G UMTS Bands2	2, 5
Comm. Interfaces	LTE Cat 1; 3G UMTS; 3GPP release 13; E-UTRA2
Power Class	3 (23 dBm)
SMS Support	MT/MO

