

## DATASHEET

# CP4579A ASSET & EQUIPMENT TRACKER

### DESCRIPTION

CP4579A series is a self-contained LTE Cat 1 modem with integrated GPS engine, cellular and PCS antennas, accelerometer, motion detector, and 1 Ah internal rechargeable battery.

Featuring a powerful 32-bit microprocessor and unique power management algorithm, CP4579A consumes less than 120  $\mu$ 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, CP4579A is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

CP4579A 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 CP4579A to be used in a myriad of applications such as containers, trailers, and mobile equipment.

CP4579A is another example of our dedication to provide state-of-the-art asset tracking products that are flexible and that address the ever growing number of customer requirements and use cases.

### USE CASES

- Trailer and Chassis (Wired Installation)
- Mobile Lighting
- Agriculture
- Pipeline
- Generators
- Heavy Machinery
- Transportation Equipment



### KEY FEATURES

- AT&T LTE Cat 1
- 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
- 1 Ah rechargeable battery
- 4MB flash memory
- IP 66 rated enclosure
- Optional Wi-Fi and Bluetooth for wireless



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## CELLULAR SPECIFICATIONS

MECHANICAL	
Dimensions	4.89" x 2.67" x 1.21" (124.21 x 67.82 x 30.73 mm)
Weight	0.3 lbs (136 g)
PHYSICAL CONNECTIONS	
Harness Connector	8-pin circular bayonet
Serial Interface	UART
Optional I/O	2 Digital Input
	3 ADC Inputs
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	1 Ah Li-Ion battery
GPS MODULE	
Receiver Type	72 channel
Tracking Sensitivity*	-165 dBm
Accuracy	+/- 2.5 CEP
TTFF Cold Start*	27 seconds
TTFF Hot Start*	1 seconds
Certifications	FCC, PTCRB, IC, AT&T

AT&T 4G LTE Cat 1	
LTE Cat. 1 3GPP Release 9 Evolved Uni. Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD) Power Class 3 (23 dBm) SMS: MT/MO	
LTE FDD Bands	2, 4, 5, 12
Power Class	3 (23 dBm)
SMS	MT/MO



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