

XT4769A



DESCRIPTION

Xirgo's XT4769 is a self-contained LTE Cat M1 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, XT4769 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, XT4769 is an ideal solution for monitoring and control of high value remote assets where input power availability is of concern.

XT4769 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 XT4769 to be used in a myriad of applications such as container, trailer, and motorcycle tracking.

XT4769 is another example of Xirgo Technologies' dedication to the development of unique and flexible products to address ever growing number of applications and customer requirements.

FEATURES


- AT&T LTE Cat M1
- 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
- 4MB flash memory
- IP 66 rated enclosure
- Wi-Fi and Bluetooth for optional wireless sensors

SPECIFICATIONS

Mechanical	
Dimensions	1.6" x 2.7" x 4.1" (41.4 x 68.6 x 104.1 mm)
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	5 Ah Li-Ion battery
GPS Module	
Receiver Type	72 channel
Tracking Sensitivity*	-165 dBm
Accuracy*	+/- 2.5 CEP
TTF Cold Start*	27 seconds (Typical)
TTF Hot Start*	1 second (Typical)
* 50%, 24 static -130 dBm, >6 satellites	
Certifications	FCC, PTCRB, IC, AT&T

CELLULAR SPECIFICATIONS

4G LTE Cat M1	
LTE Cat. 1 3GPP Release 13 Frequency Division Duplex (FDD) Power Class 3 (23 dBm) SMS: MT/MO	
LTE FDD Bands	2, 4, 12
Power Class	3 (23 dBm)
SMS	MT / MO

 **Proposition 65 WARNING:** This product contains chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm.