



XT4500

Self-Contained Modem

The Modem That Puts You in Control

The XT4500 Series is ideal for monitoring and control of high-value remote assets where input power availability is vital. Designed with the latest GPS tracking technology, XT4500 continues under extreme conditions where most competing products fail. It is capable of periodic reporting of health, status and location of remote assets with low power consumption.

Know the condition and status of your assets with this powerful device.

Highlights



Unique power management algorithm



Weatherproof case allows for a myriad of applications.



Ideal for monitoring powered heavy equipment



Utilize as a cellular gateway for the XT1500 beacon for enhanced track and trace of low-cost assets

Features

- Over-the-air firmware upgrade
- Supports FTP, HTTP, HTTPS and CoAP
- Powerful 32-bit microprocessor
- Internal temperature sensor
- Integrated antenna and motion detector
- Consumes less than 120 μ A in sleep mode
- Meets IEC 68-2-27 environmental standard

XT4500 Technical Specifications

Mechanical

Dimensions	1.2" x 2.7" x 4.1" (30.5 x 68.6 x 104.1 mm)
Weight	4.8 oz. (136 g)
Case Material	PC+PBT

Electrical

DC Power	DC 8-30V
Power Source	Internal 1 Ah Li-Ion Rechargeable Battery
Sleep Current	<120 μ A Typical
Storage	4MB Flash Memory
Serial Interface	UART
Optional I/O	2 Digital Inputs, 3 ADC Inputs
Harness Connector	8-Pin Circular Bayonet
Multi-Function Switch	Wake/Wi-Fi/BLE Pairing

Environmental

Operational Temperature*	-40°F to +158°F (-40°C to +70°C)
IP Rating	IP 67

Communications

	MNO: AT&T, Verizon
	Supported Region(s): US
	4G LTE 2, 4, 5, 12, 13, 25, 26 ¹
	FDD Bands: 1, 2, 3, 4, 5, 8, 12, 13, 14, 18, 19, 20, 25, 26, 27, 28, 66, 85 ²
Cellular Module	3G UMTS Bands ¹ : 2, 4, 5
	2G Bands ² : 850, 900, 1800, 1900 MHz
	Comm. Interfaces: 4G Cat1 with 3G ¹ , 4G Cat M1 with 2G ²
	Power Class: 3 (23 dBm) ¹ , 5 (21 dBm) ²
	SMS Support: MT/MO

Positioning

	Receiver Type: 72 Channel
GPS Module	Tracking Sensitivity: -165 dBm
	Accuracy: \pm 2.5m CEP (50%, -130dBm, >6 satellites)
Accelerometer	3-Axis

Compliance

Certifications	AT&T, PTCRB, FCC (Pending), IC (Pending), Verizon (Pending)
----------------	---

*Operating Temp: Range that the device will send data

¹ Device Model: XT4584

² Device Model: XT4592

Charging Temp: Charges between 32°F to 113°F (0°C to 45°C).

sensata-xt4500-spec-sheet-americas_0123

