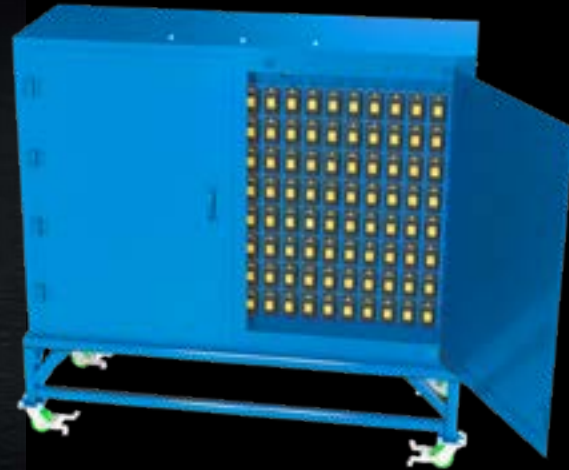




## INTRODUCING THE FIRST ASSET TRACKER WITH WIRELESS CHARGING CAPABILITY



### **The Xirgo OTAC Tracker is the first-of-its-kind Internet of Things (IoT) asset tracking solution that allows mass charging of multiple IoT asset trackers, without the need for wires, cables, or charging pads.**

The Xirgo OTAC Tracker solution enables real-time tracking of high-value assets, including semi-trailers, containers, ULDs, or any other special-purpose asset. It can be customized to fit other asset tracking solutions in the supply chain or other industries. The solution leverages a cabinet enclosure to wirelessly charge and store OTAC-enabled devices. When a user opens the panel doors to deposit or retrieve a tracker device, the OTAC cabinet stops charging and then resumes charging when the doors are closed.

This specific Xirgo OTAC Tracker configuration uses the Ossia 2.4 GHz power receiver design and the Sensata | Xirgo XT4700 asset tracker. The Xirgo platform supports a modular configuration of the power transmitters, allowing for increased power levels to meet specific user requirements.

### **SENSATA | XIRGO'S XT4700 ASSET TRACKER**

The Xirgo-powered XT4700 asset tracker from Sensata | Xirgo features a self-contained LTE modem with an integrated GPS engine, cellular and PCS antennas, accelerometer, and an internal rechargeable battery up to 5Ah, depending on power needs.

Its powerful 32-bit microprocessor and unique power management algorithm consume less than 120  $\mu$ A in sleep mode yet is still capable of periodic reporting of health, status, and location of remote assets.

With multiple input/output ports and proven embedded applications, the XT4700 asset tracker is an ideal solution for monitoring and control of high-value remote assets where input power availability is a concern.

Offering a design with the latest GNSS technology gives the XT4700 the ability to provide GNSS tracking under extreme conditions where most other competing products fail. Its weatherproof case allows the XT4700 to be used in a myriad of applications (meets IEC 68-2-27 environmental standard/IP66-certified).

# XIRGO OTAC TRACKER SPECIFICATIONS

## XIRGO OTAC TRACKER - POWER STATION

<b>Dimensions (Height x Width x Depth)</b>	19 cm x 195 cm x 65 cm
<b>Weight</b>	Approximately 727 lb. (330 kg)
<b>Mobility</b>	All direction casters with locks
<b>AC Power Consumption at Maximum Power</b>	200 W
<b>Power Supply</b>	120 V AC input
<b>Power Plug</b>	NEMA 5-15R
<b>Operating Ambient Temperature</b>	32°F to 111°F (0°C to 44°C)
<b>System Surface Maximum Temperature</b>	158°F (70°C)
<b>Operating Humidity</b>	10% to 80% relative humidity, non-condensing
<b>Environmental</b>	NEMA 3R Compliant
<b>Application Environment</b>	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation
<b>Maximum Quantity of Power Receivers</b>	Up to 200 OTACs (other sizes available upon request)
<b>Host Communication</b>	IEEE 802.3 10Base-T (Ethernet)
<b>Receiver Communication</b>	2.4 GHz IEEE 802.15.4
<b>Maximum Total Radiated Power</b>	15 W
<b>GUI System Control Interface</b>	Cota Desktop Utility
<b>Regulatory Compliance</b>	Compliant with FCC regulation Part 18; certification in progress

## XIRGO OTAC TRACKER

<b>Transmitter Communication</b>	2.4 GHz IEEE 802.15.4
<b>Dimensions</b>	5.13" x 2.72" x 1.61" (130.3 x 69.1 x 40.9 mm)
<b>Weight</b>	8.8 oz. (249.5 g)
<b>Case Material</b>	PC+PBT
<b>IP Rating</b>	IP 66
<b>Operating Temperature</b>	-22°F to 158°F (-30°C to 70°C)
<b>GPS Module:</b>	
- Receiver Type	72 channels
- Tracking Sensitivity	-165 dBm
- Accuracy	± 2.5m CEP
<b>Cellular Module:</b>	
- MNO	T-Mobile, AT&T
- Supported Regions	US
- 4G LTE DFF Bands	2, 4, 12 for LTE CatM1
- Power Class	3 (23 dBm)
- SMS support	MT/MO
<b>Maximum Received Wireless</b>	0.6 W (DC)
<b>Antenna Size</b>	5 cm x 7 cm
<b>Wireless Power Receive Frequency</b>	2.45 GHz

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Sensata Technologies delivers a wide range of connected solutions that drive operational efficiencies and increase revenue. Our comprehensive, in-house engineering capabilities allow us to design, engineer, and manufacture innovative, full-featured products, such as tire pressure monitoring systems, telematics devices, asset monitoring and tracking devices, and cargo monitoring solutions.