

SYRUS 3G ASSET TRACKER

The Syrus 3G Asset Tracker is a rugged, waterproof, cellular GPS tracking device designed for tracking non-powered, exposed assets where super-long battery life is essential.

PART NUMBER

1204-07

VEHICLE &
FLEET TRACKING



NON-POWERED
ASSET TRACKING



EQUIPMENT
LOCATION
& RECOVERY



TRAILERS &
MOBILE ASSETS



SHIPPING
CONTAINERS
& FREIGHT



ANCHORING
& SECURITY
OF ASSETS

KEY FEATURES

- 4 Up to 4 years once daily location
- IP67 water and dust proof
- Rugged, robust and low profile
- Off-the-shelf, replaceable Lithium AA batteries
- Non-powered asset tracking
- Switch from "locate" to "track" over-the-air
- Battery status and low battery alert
- Unauthorized movement alert
- Integrated accelerometer
- No install required, simply "place 'n trace"

m2m
cloudconnect
2G/3G/4G GLOBAL NETWORK

Pegasus
IoT Cloud

TECHNICAL SPECIFICATIONS

MECHANICAL SPECS

Low-profile IP67 rugged housing

The IP67 rated housing is made of sturdy ABS/Polycarbonate plastic to survive bumps and knocks and to survive many years in the sun and weather. It's low profile together with mounting tabs and 'strap slots' allow for easy mounting.

Dimensions (L x W x H) 137mm x 72mm x 30mm

Operating Temperature -20°C to +60°C

*For operation in extreme temperatures, the device must be fitted with Lithium batteries. Batteries are affected by temperature extremes and typical performance is dependent on temperature

POWER

3 x AA Batteries Size 1.5V Lithium Batteries

Sleep Current 10uA (micro amps)

Max. Input Voltage 6V Max, no reverse input protection

OTHER

Flash Memory

Sufficient memory to store over 25,000 records. Normally data is sent to the server immediately but if the device is out of range there is space to ensure no data is lost.

3-axis accelerometer

The 3-axis accelerometer allows the asset tracker to 'sleep' in an ultra-low power state yet still wakeup when movement occurs.

CERTIFICATIONS

CE, FCC, PTCRB, Canada, RCM, ICASA

CONNECTIVITY

SIM Size Micro (3FF) size cellular SIM card

2G Modem Quad Band GSM/GPRS Class 10
850/900/1800/1900 MHz

3G Modem - EU 800/850/900/2100
EMEA/APAC/Latin America

3G Modem - NA NA 850/1900/AWS
North America

GPS TRACKING

GPS and Cellular Antenna

Internal GPS and cellular antennas tuned by RF laboratories for optimal performance

GPS/GLONASS

UBLOX MAX-M8Q GPS Module
Concurrent GPS and GLONASS tracking
72 channel high sensitivity receiver
-167dBm industry leading tracking performance

AssistNow Offline

Aiding data for extremely fast time-to-first-fix and performance in urban canyon environments

Low Noise GPS Amplifier (LNA)

GPS signals are boosted by a special low-noise amplifier (LNA). This allows operation where normal units will fail to receive GPS signal – like in a container stack!

FIRMWARE

OTA Configuration

The device can be remotely configured and updated OTA (over the air). Device management is performed from DCT's OEM Server device management platform.

Adaptive Tracking

The device can be set to use Adaptive-Tracking technology where the accelerometer and GPS data are used to intelligently work out if it is moving and to send frequent updates, and to scale the update rate down to once per day if the asset is stationary - to preserve battery life.



ALKALINE



LITHIUM