

TRAKR

SMART ASSET MANAGEMENT

A RUGGED, INTELLIGENT ASSET TRACKER AND CONTROL COMPUTER



The **TRAKR** is far more flexible and powerful than simple GPS units. The internal computer accepts customer generated programs for specific applications.* It is easily integrated into existing fleet management systems. Being IoT capable, accumulated data can be sent to the Cloud and accessed from any location.

In addition to the location function, the **TRAKR** features serial and digital I/O for control and status. High power WiFi, Cellular and Ethernet provide real-time access to the network infrastructure.

ORDERING INFORMATION

- #9896R : TRAKR
- #9339440RX : WiFi for TRAKR (single antenna)
- #9339897R : WiFi for TRAKR (dual antenna)

DESIGNED FOR

OUTDOOR DEPLOYMENT

in industries such as :



MINING



CONSTRUCTION



AGRICULTURE



TRANSPORTATION



LOW POWER OPERATION.
COMPATIBLE WITH SMALL SOLAR PANELS

KEY BENEFITS:

- ✓ HIGH ACCURACY, CONCURRENT GPS
- ✓ INSTANT LOCATION OF MOBILE AND SEMI-STATIONARY ASSETS
- ✓ REMOTE MONITORING & CONTROL (PUMPS, SAFETY, DIGITAL SIGNAGE, ETC)
- ✓ V2X COMPATIBLE
- ✓ WIRELESS - WIFI OR CELLULAR
- ✓ WIDE TEMPERATURE RANGE (-40°C TO 71°C)
- ✓ MADE IN CANADA/USA

SPECIFICATIONS

Specifications subject to change without notice

POWER SUPPLY

- + 9V TO 36V INPUT
- + EXTENSIVE TRANSIENT PROTECTION
- + 4 WATTS TYPICAL POWER CONSUMPTION WHEN TRANSMITTING

DIGITAL I/O

- + TWO DIGITAL INPUTS MAY BE REMOTELY MONITORED
- + TWO DIGITAL OUTPUTS, REMOTELY CONTROLLED

ETHERNET PORT

- + 10/100 BASE-T

SERIAL PORT

- + RS-232 5-WIRE CONFIGURATION PORT

CPU

- + EMBEDDED RISC PROCESSOR, 400 MHZ

MEMORY

- + 128 MB DDR2
- + 64 MB FLASH

WIRELESS PORTS (MODULES OPTIONAL)

- + MINI PCI
- + MINI PCI EXPRESS (FULL OR HALF CARD)

WIRELESS OPTIONS

- + HIGH POWER 802.11A/B/G/N 2.4 GHZ/5 GHZ
- + HSUPA (3G) OR (4G) LTE MODEMS

CONCURRENT GPS

- + 72 CHANNEL ENGINE
- + GPS, GLONASS AND BEIDOU
- + UPDATE RATE - 10 READINGS/SEC
- + FAST ACQUISITION, HIGH ACCURACY
- + JAMMING RESISTANT

CONNECTORS

- + WIFI OR CELLULAR: 2 X TYPE "N"
- + GPS: TYPE RP TNC
- + POWER/DIGITAL I/O: DB9, SEALED MALE
- + ETHERNET AND SERIAL PORT: DB15, SEALED FEMALE

OPERATING SYSTEM & SOFTWARE

- + LINUX 3.18 KERNEL BOARD SUPPORT PACKAGE
- + WEB INTERFACE SOFTWARE INCLUDED
- + V2X COMPATIBLE (SOFTWARE NOT SUPPLIED)

MECHANICAL

- + SIZE: 223 MM (L), 140 MM (W), 48 MM (H) (8.8"X5.5"X1.9")
- + WEIGHT: 0.6 KG, (1.3 LBS)
- + ROHS

ENVIRONMENTAL

- + -40°C TO 71°C AMBIENT AIR TEMPERATURE
- + HUMIDITY - 5-90% NON-CONDENSING
- + SHOCK - 20G PER MIL-STD-810G
- + VIBRATION - 3G RANDOM
- + ALTITUDE - 4000 METERS PER MIL-STD-810G • 9-AXIS MOTION SENSOR
- + IP65 DUST AND MOISTURE INGRESS
- + FCC AND CE

*SOME POSSIBLE USER APPLICATIONS

- + MESH RADIO - OLSR, B.A.T.M.A.N., ETC
- + GPS SERVER
- + WIRELESS ACCESS POINT
- + ROUTER BRIDGE
- + NETWORK MONITOR
- + COLLISION AVOIDANCE