The TRAX-2 is a rugged mobile edge gateway for the Internet of Things. Octagon’s application-ready design provides the versatility to run multiple applications on one platform simplifying installation and reducing maintenance downtime as well as “technology clutter”. Its low profile facilitates easy installation in a wide variety of vehicles.

The TRAX-2 mobile computer is ideal for integrating software applications and wireless technologies including fleet management, safety, asset location, maintenance and dispatching.

- Open Architecture - Windows & Linux compatible
- Intel E3825 dual-Core processor
- Off-the-shelf, low-cost cabling
- Wide variety of communications options
- Dual CAN bus Option
- Very low profile
- Optional 10 inch sunlight-readable display w/ integrated touch screen
- Made in the USA
SPECIFICATIONS

Processor
- Intel E3825 Dual-Core 64-Bit CPU, 1.33 GHz

Memory
- 4 GB DDR3L-1066 MHz

Graphics
- DirectX 11, OpenGL 3.0, OpenCL 1.2
- Up to 1920 x 1200 (WUXGA) Resolution

Storage
- 32GB and larger Solid-State Drive with ECC

GPS
- 72 Channel Engine with Concurrency Support
- Multi-GNSS: GPS, GLONASS, Galileo, BEIDOU

External I/O
- Two USB 2.0 Ports
- Two RS-232 COM Ports
- Audio Line In and Line Out
- Ethernet 10/100/1000 Base-T
- Digital I/O: Two Inputs and one Output
- DVI-I for Analog and Digital Displays
- One SMA for GPS, 4 SMA Wireless Radios
- Status LEDs

Dual CAN bus Option
- CAN bus 2.0 A,B compatible
- Drivers for Windows and Linux
- 300V galvanic Isolation

Wireless Options
- 802.11b/g/n Dual Band Long Range WiFi
- GSM/GPRS/LTE Cellular Support
- Customer Installed Radio Cards
- Support for Dual Simultaneous Radio Cards

Display Option
- 10” K10, display with Touchscreen
- 5M Cable, Video, Touchscreen, Audio

Security
- Trusted Platform Module (TPM)

Manageability
- 9 Axis Sensor: 3D Accelerometer, gyroscope & magnetometer
- Temperature Sensor
- Hardware Monitor for Systems Voltages
- Watchdog Timer

Regulatory/EMC
- FCC Class A, CE Mark, ISO 16750-2
- RoHS Compliant

Power Supply
- 9-36 VDC Input Voltage (Connector supplied)
- Protection for Load Dump, Reverse Voltage, Brown Out, and Transients
- Ignition Input for Power Control

Operating System Compatibility
- Windows Embedded Standard 10 IoT
- Linux

Mechanical
- Size: 237 L x 157 W x 56 H mm
- (9.3” x 6.4” x 2.2”) Including Connectors
- Weight: 1.5 kg (3.2 lbs)

Environmental
- Operational Temperature: -20°C to 62°C
- Humidity: 5-95% Non-condensing
- Vibration: MIL-STD 810F, Composite Wheeled Vehicle
- Shock: MIL-STD 810F, 20g/11ms Sawtooth
- Fan-less Operation

ORDERING INFORMATION
- #9907R - TRAX-2 with Dual CAN bus
- #7509907R - Power connector with 1M cable
- #9339907 - Windows Embedded Standard 7
- #9337360R - Dual band WiFi
- #9200R - K10 Display with 5M cable

NOTE: Power connector supplied with each unit

Call Octagon Sales for help in optimizing a solution
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Specifications subject to change without notice

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