

TRAX-2

MOBILE EDGE/GATEWAY
ECONOMICAL, YET POWERFUL



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.

REAR PANEL - ALL MODELS:



ORDERING INFORMATION

- #9907R : TRAX-2 WITH DUAL CAN BUS
- #7509907R : POWER CONNECTOR WITH 1M CABLE
(NOTE: POWER CONNECTOR SUPPLIED WITH EACH UNIT)
- #9337360R : DUAL BAND WIFI
- #9200R : K10 DISPLAY WITH 5M CABLE

IDEAL FOR

**INTEGRATING SOFTWARE APPLICATIONS
AND WIRELESS TECHNOLOGIES**

including :



KEY BENEFITS:

- ✓ 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 CANADA/USA

SPECIFICATIONS

Specifications subject to change without notice

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, GLOPASS, 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 FOR WIFI
- + 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
- + 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