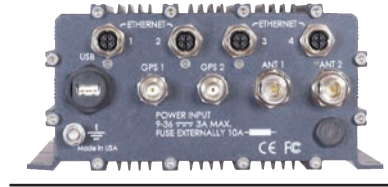


TRAX-10

MOBILE MINI-SERVER/ROUTER

THREE SYSTEMS IN ONE



REAR PANEL VIEW

The **TRAX-10** mini server/router mobile platform combines the functions of a server, router and I/O in one unit, reducing “technology clutter” in the cab. It simplifies installation and maintenance, increases efficiency and safety, and lowers total system cost.

Powered by the Intel® quad-core Atom, both providing four threads for running multiple programs. It has all the I/O of the field-proven standard, the TRAX-5, plus four Gbit Ethernet ports as well as up to three CAN bus ports.

The Open Architecture of the TRAX-10 platform facilitates the widest variety of customer installed software.

IDEAL FOR

RUNNING MULTIPLE APPLICATIONS SIMULTANEOUSLY

such as:

FLEET MANAGEMENT	FATIGUE MONITORING
SITUATIONAL AWARENESS	EQUIPMENT DIAGNOSTICS
REMOTE MONITORING & CONTROL	

ORDERING INFORMATION

- #9902R: TRAX-10, E3845 CPU, 1.91 MHZ
- #8339: POWER CONNECTOR WITH 1M CABLE
- #9339799: WINDOWS EMBEDDED STANDARD P-10
- #9339870X: LINUX MINT
- #9339798RX: NOVATEL HIGH PRECISION GPS W/CARRIER CARD
- #9780: LAB CABLE KIT (FRONT PANEL I/O)

KEY BENEFITS

- ✓ SERVER, ROUTER & I/O IN ONE
- ✓ INTEL QUAD CORE CPU
- ✓ NATIVE VIRTUALIZATION SUPPORT
- ✓ HIGH PERFORMANCE VIDEO
- ✓ GBIT ETHERNET, CAN, SERIAL, USB, DIGITAL
- ✓ GPS, WIFI, CELLULAR
- ✓ MADE IN CANADA/USA

SPECIFICATIONS

Specifications subject to change without notice

PROCESSOR

+ INTEL ATOM, QUAD-CORE CPU: 4 GB, DDR3 - 1333 MHZ MEMORY

GRAPHICS

+ DIRECTX, OPENGL, OPENCCL
 + UP TO 1920 X 1200 RESOLUTION

STORAGE

+ STORAGE OPTIONS ARE AVAILABLE FROM 32GB TO 512GB. ALL OPTIONS MUST BE FACTORY INSTALLED: POWER INTERRUPT DATA PROTECTION, SMART COMMAND-BASED ALERTS, SECURITY ERASE

GPS

+ 72 CHANNEL ENGINE (INCLUDED)
 + CONCURRENT GNSS: GPS, GLONASS, GALILEO, QZSS, SBAS
 + FAST ACQUISITION AND HIGH ACCURACY

EXTERNAL I/O

+ TWO USB 2.0 PORTS
 + FOUR RS-232 COM PORTS: ONE PORT RS-485 CONFIGURABLE
 + ETHERNET PORTS: ONE 10/100 BASE-T PORT, FOUR 10/100/1000 BASE-T PORTS (UNMANAGED SWITCH)
 + DIGITAL I/O: FIVE INPUTS/ONE OUTPUT WITH FULL OPERATING VOLTAGE RANGE
 + VGA WITH TOUCH SCREEN INTERFACE PLUS AUDIO
 + FOUR ANTENNA CONNECTORS
 + STATUS LEDS
 + DUAL CAN BUS 2.0, ISOLATED
 + OPTIONAL ISOLATED CAN BUS: ZERO, 1, 2, OR 3 PORTS

WIRELESS OPTION

+ 802.11B/G/N LONG RANGE WIFI
 + GSM/GPRS/LTE CELLULAR SUPPORT

POWER SUPPLY

+ ISOLATED TOPOLOGY
 + 9-36 VDC INPUT VOLTAGE: (10-36 VDC CONTINUOUS)
 + PROTECTION FOR LOAD DUMP, REVERSE VOLTAGE, BROWN OUT, AND TRANSIENTS

SECURITY

+ TRUSTED PLATFORM MODULE (TPM)

OPERATING SYSTEM COMPATIBILITY

+ WINDOWS EMBEDDED STANDARD P-10
 + LINUX

MECHANICAL

+ SIZE: 240 L X 206 W X 96 H MM (9.5" X 8.1" X 3.8")
 + WEIGHT: 4.0 KG (8.8 LBS)
 + GROUNDING STUD

ENVIRONMENTAL

+ OPERATIONAL TEMPERATURE: -40°C TO 71°C PER MIL-STD 810G, METHOD 501.5 AND 502.5
 + TEMPERATURE SHOCK: -40C TO 71C PER MIL-STD 810G, METHOD 503.5
 + HUMIDITY: 5-95% NON-CONDENSING
 + IP65 DUST/MOISTURE RATING
 + VIBRATION: MIL-STD 810F, METHOD 514.5C-3 COMPOSITE WHEELED VEHICLE
 + SHOCK: MIL-STD 810F, METHOD 516.5, 20G/11MS TERMINAL SAWTOOTH
 + FAN-LESS OPERATION

REGULATORY/EMC

+ FCC CLASS A
 + CE MARK
 + ROHS COMPLIANT