

TRAX-5

RUGGED MOBILE COMPUTER

PROVEN PERFORMANCE



The **TRAX-5** mobile platform is designed with Intel® Quad-core for high system performance and quality graphics capability. Our rugged hardware is field-proven in extreme environments in six continents.

Octagon's application-ready design enables the user to run multiple applications simultaneously such as fleet management, situational awareness and equipment diagnostics. One computer platform simplifies installation and maintenance; increases efficiency and safety and reduces "technology clutter".

ORDERING INFORMATION

- #9912R: TRAX-5 WITH 1.91 GHZ, E3845 QUAD CORE CPU, 4GB DDR3 DRAM
- #8339: POWER CONNECTOR WITH 1M CABLE
- #9339799: WINDOWS EMBEDDED STANDARD P-10
- #9339870X: LINUX MINT
- #9339798RX: NOVATEL OEM617D HIGH PRECISION GPS W/CARRIER CARD
- #9780: LAB CABLE KIT

IDEAL FOR

RUNNING MULTIPLE APPLICATIONS SIMULTANEOUSLY

such as:



FLEET MANAGEMENT



SITUATIONAL AWARENESS



EQUIPMENT DIAGNOSTICS

KEY BENEFITS

- ✓ OPEN ARCHITECTURE
RUN MULTIPLE PROGRAMS SIMULTANEOUSLY
- ✓ INTEL QUAD CORE WITH NATIVE VIRTUALIZATION SUPPORT
- ✓ 3D VIDEO PERFORMANCE
DIRECTX 11, OPEN GL 3.0, OPEN CL 1.2
- ✓ DIVERSITY ANTENNA CONNECTORS
- ✓ WIRELESS
GPS, WIFI, CELLULAR
- ✓ DUAL HIGH PRECISION GPS
NEW OPTION
- ✓ CUSTOM I/O
TAILORED TO YOUR APPLICATION
- ✓ MADE IN CANADA/USA

SPECIFICATIONS

Specifications subject to change without notice

PROCESSOR

- + INTEL E3845 QUAD-CORE CPU, 1.91 GHZ; 2MB L2 CACHE, 64-BIT CAPABLE, VIRTUALIZATION SUPPORT, ACPI 5.0 SUPPORT

MEMORY

- + 4 GB DDR3-1333

GRAPHICS

- + DIRECTX 11, OPENGL 3.0, OPENCL 1.2
- + 542 MHZ GRAPHICS CORE, 792 MHZ BURST WITH FOUR EXECUTION UNITS
- + HARDWARE ACCELERATED MEDIA ENCODE AND DECODE
- + UP TO 1920 X 1200 (WUXGA) 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, BEIDOU, QZSS, SBAS
- + FAST ACQUISITION AND HIGH ACCURACY
- + NOVATEL DUAL HIGH PRECISION GPS - OPTION

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
- + DIGITAL I/O: FIVE INPUTS AND ONE OUTPUT WITH FULL OPERATING VOLTAGE RANGE
- + VGA WITH TOUCH SCREEN INTERFACE PLUS AUDIO
- + TWO TNC FOR GPS
- + STATUS LEDS
- + TWO TYPE N RF CONNECTORS FOR WIRELESS OPERATIONS
- + CAN BUS 2.0 (OPTIONAL)

INTERNAL EXPANSION

- + TWO PCI/104 SLOTS
- + TWO MINI PCIE SLOTS

WIRELESS OPTION

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

POWER SUPPLY

- + 500V INPUT ISOLATION
- + 9-36 VDC INPUT VOLTAGE: 10-36 VDC CONTINUOUS
- + PROTECTION FOR LOAD DUMP, REVERSE VOLTAGE, BROWN OUT, AND TRANSIENTS
- + SUPPORTS AND POWERS TOUGH TOUCH DISPLAY

SECURITY

- + TRUSTED PLATFORM MODULE (TPM)

OPERATING SYSTEM SUPPORT

- + 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