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”.

- 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 the USA
SPECIFICATIONS

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
- Integrated 32GB Solid State Disk
  - Power Interrupt Data Protection
  - SMART Command-based Alerts
  - Security erase
- Support for Larger Capacities

GPS
- 72 Channel Engine (included)
- Concurrent GNSS
  - GPS, GLONASS, Galileo, Beidou, QZSS, SBAS
- Fast Acquisition and High Accuracy
- NovAtel dual Dual 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

Internal Expansion
- Two PCI/104 Slots
- One Mini PCI Slot
- 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 7
- 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

ORDERING INFORMATION
- #9912R- TRAX-5 with 1.91 GHz, E3845 Quad Core CPU, 4GB DDR3 DRAM, 32 GB SSD
- #8339 - Power connector with 1M cable
- #9339795X - Windows Embedded Standard 7
- #9339799 - Windows Embedded Standard P-10
- #9339870X - Linux Mint
- #9339798RX - NovAtel OEM617D High Precision GPS w/carrier card
- #9780 - Lab Cable Kit

Call Octagon Sales for help in optimizing a solution
+1 303.430.1500

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Specification subjects to change without notice