

# TRAX-4M

## RUGGED MOBILE COMPUTER

### HIGH PERFORMANCE - COMPACT SIZE



The **TRAX-4M** mobile platform is designed with an Intel® Quad-core for high system performance and quality graphics capability. The rugged military connectors enhance reliability where cable stress would damage PC style connectors. Backwards compatible with our popular MOBL-D2 rugged computer.

It's future-proof open framework makes it easy to add and upgrade future third party applications and functionality. One computer platform simplifies installation and maintenance; increases efficiency and safety and reduces "technology clutter".

## ORDERING INFORMATION

- #9909R : TRAX-4M WITH 1.91 GHZ, 4 GB DRAM, 32 GB SSD
- #9337550 : WINDOWS EMBEDDED STANDARD P-10
- #9337500 : LINUX UBUNTU

## PLATFORM SUPPORTS



## KEY BENEFITS:

- ✓ **SPACE CONSCIOUS**  
FITS NEARLY ANYWHERE
- ✓ **OPEN ARCHITECTURE**  
RUN MULTIPLE PROGRAMS SIMULTANEOUSLY
- ✓ **INTEL QUAD CORE CPU WITH NATIVE VIRTUALIZATION SUPPORT**
- ✓ **HIGH VIDEO PERFORMANCE**  
DIRECTX, OPEN GL, OPEN CL
- ✓ **WIRELESS**  
GPS, WIFI, CELLULAR
- ✓ **LINUX AND WINDOWS COMPATIBLE**
- ✓ **MADE IN CANADA/USA**

## SPECIFICATIONS

Specifications subject to change without notice

### PROCESSOR

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

### MEMORY

- + 4-8 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
- + VGA UP TO 2560 X 1600 (WQXGA) RESOLUTION COMPATIBLE WITH K-10, MOTIUM DISPLAYS

### STORAGE

- + INTEGRATED 32GB SOLID STATE DISK WITH ECC: POWER INTERRUPT DATA PROTECTION, SECURITY ERASE
- + SUPPORT FOR LARGER CAPACITIES

### GPS

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

### EXTERNAL I/O

- + THREE USB 2.0 PORTS
- + TWO RS-232 COM PORTS
- + ETHERNET PORT: ONE 10/100 BASE-T PORT
- + AUDIO: LINE OUT
- + DIGITAL I/O: FOUR INPUTS AND ONE OUTPUT WITH FULL OPERATING VOLTAGE RANGE
- + VGA WITH RESOLUTION TO 2560 X 1600
- + TNC CONNECTOR FOR GPS
- + 2X "N" CONNECTORS FOR WIRELESS OPTIONS
- + STATUS LEDS

### CAN BUS (OPTIONAL)

- + ISOLATED - ISO 11898-2

### WIRELESS OPTIONS

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

### OPERATING SYSTEM COMPATIBILITY

- + WINDOWS EMBEDDED STANDARD 7
- + WINDOWS EMBEDDED STANDARD P-10
- + LINUX UBUNTU

### POWER SUPPLY

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

### MECHANICAL

- + SIZE: 157 D X 237 WX 56 HMM (6.2" X 9.3" X 2.2")
- + WEIGHT: 1.5 KG (3.3 LBS)

### ENVIRONMENTAL

- + OPERATIONAL TEMPERATURE: -40°C TO 71°C PER MIL-STD 810G, METHOD 501.5 AND 502.5

- + NON-OPERATIONAL TEMPERATURE: -40°C TO 80°C PER MIL-STD 810G, METHOD 503.5
- + HUMIDITY: 5-95% NON-CONDENSING
- + IP65 DUST/MOISTURE RATING
- + VIBRATION: MIL-STD 810F, METHOD 514.5C-3
- + SHOCK: MIL-STD 810F, METHOD 516.5, 20G/11MS
- + FAN-LESS OPERATION

### REGULATORY/EMC

- + FCC CLASS A
- + CE MARK
- + ROHS COMPLIANT

### APPLICATIONS

- + PUBLIC TRANSIT SYSTEMS
- + CONSTRUCTION VEHICLES
- + MILITARY
- + REMOTE MONITORING & CONTROL
- + MINING
- + TRUCKING
- + OIL & GAS