

# TRAX-20

## MINI SERVER/ ROUTER

3-in-1 small form factor  
rugged computer platform



## PRODUCT HIGHLIGHTS

- ⊕ Server, Router & I/O in One
- ⊕ Intel Core i7, Dual Core
- ⊕ Native Virtualization Support
- ⊕ High Performance Video
- ⊕ GBIT Ethernet, CAN, Serial, USB, Digital
- ⊕ GPS, Wifi, Cellular
- ⊕ Made in Canada & USA



## FEATURES

<b>OPERATING SYSTEM</b>	Windows Embedded Standard P-10	<b>DUAL CAN BUS OPTION</b>	Dual CAN BUS 2.0, isolated Isolated CAN BUS 2.0: optional
<b>PROCESSOR</b>	Intel Core i7 CPU 2.80GHz	<b>SECURITY</b>	Trusted Platform Module (TPM) 2.0
<b>MEMORY</b>	Up to 32GB, DDR4-2133 MHZ memory socketed	<b>MANAGEABILITY</b>	9 Axis Sensor: 3D Accelerometer, Gyroscope & Magnetometer; Temperature Sensor; Hardware Monitor For Systems Voltages; Watchdog Timer
<b>GRAPHICS</b>	DIRECTX, OPENGL, OPENCL Up to 1920 X 1200 Resolution	<b>REGULATORY/ EMC</b>	FCC Class A CE Mark ROHS Compliant
<b>STORAGE</b>	Storage options are available from 2X 32GB TO 2X 1TB. All storage options must be factory installed: Power Interrupt Data Protection, Smart Command-Based Alerts, Security Erase	<b>POWER SUPPLY</b>	Isolated topology 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
<b>GPS</b>	72 Channel Engine (Included) Concurrent GNSS: GPS, GLONASS, GALILEO, QZSS, SBAS Fast acquisition and high accuracy	<b>MECHANICAL</b>	Size: 350mm X 215mm X 125mm Weight: 4.5 kg
<b>EXTERNAL I/O</b>	Three USB 2.0 ports, Two USB 3.0 ports Four RS-232 com ports Ethernet ports: Five 10/100/1000 Base-T ports (Unmanaged Switch) Digital I/O: Five inputs with full operating voltage range VGA with touch screen interface plus audio Five antenna connectors Status LEDs	<b>ENVIRONMENTAL</b>	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
<b>WIRELESS OPTIONS</b>	802.11B/G/N Long Range Wifi GSM/GPRS/LTE Cellular Support Satellite Communications		

## ORDERING INFORMATION

