

# TRAX-20 Rugged Mobile Computer

# TRAX-20

### MINI SERVER/ ROUTER

3-in-1 small form factor rugged computer platform



## PRODUCT HIGHLIGHTS

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





#### **FEATURES**

| Windows Embedded Standard P-10  | DUAL CAN BUS<br>OPTION   | Dual CAN BUS 2.0, isolated<br>Isolated CAN BUS 2.0: optional   |
|---|--|--|
| Intel Core i7 CPU 2.80GHz   | SECURITY   | Trusted Platform Module (TPM) 2.0  |
| Up to 32GB, DDR4-2133 MHZ memory socketed   | MANAGEABILITY  | 9 Axis Sensor: 3D Accelerometer, Gyroscope & Magnetometer;<br>Temperature Sensor;<br>Hardware Monitor For Systems Voltages;<br>Watchdog Timer  |
| DIRECTX, OPENGL, OPENCL<br>Up to 1920 X 1200 Resolution   |  |  |
| Storage options are available from 2X 32GB TO 2X 1TB. All storage options must be factory installed:  | REGULATORY/<br>EMC   | FCC Class A<br>CE Mark<br>ROHS Compliant   |
| 72 Channel Engine (Included) Concurrent GNSS: GPS, GLONASS, GALILEO, QZSS, SBAS Fast acquisition and high accuracy  | POWER SUPPLY   | 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  |
| 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 | MECHANICAL   | Size: 350mm X 215mm X 125mm<br>Weight: 4.5 kg  |
|   | 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   |
| 802.11B/G/N Long Range Wifi<br>GSM/GPRS/LTE Cellular Support<br>Satellite Communications  |  |  |
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#### ORDERING INFORMATION

Contact us at 855.365.2188 or visit octagonsystems.com/request-quote to begin the ordering process.



