

TRAX-4M

MOBILE EDGE/GATEWAY

Integration of software applications
and wireless technologies



PRODUCT HIGHLIGHTS

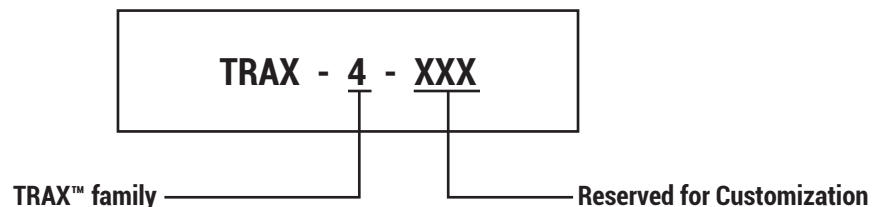
- ⊕ Space Conscious:
Fits Nearly Anywhere
- ⊕ Open Architecture:
Run Multiple Programs Simultaneously
- ⊕ Intel Quad Core CPU with Native Virtualization
Support
- ⊕ High Video Performance
DIRECTX, OPEN GL, OPEN CL
- ⊕ Wireless
GPS, Wifi, Cellular
- ⊕ Linux and Windows Compatible
- ⊕ Made in Canada & USA

FEATURES

OPERATING SYSTEM	Windows Embedded Standard 7, Windows Embedded Standard P-10, Linux Ubuntu	DUAL CAN BUS OPTION	Isolated - ISO 11898-2
PROCESSOR	Intel Quad-Core Atom CPU, 1.91 GHz: 2MB L2 Cache, 64-Bit Capable, Virtualization Support, ACPI 5.0 Support	DISPLAY OPTION	Tough-Touch Display
MEMORY	4-8GB DDR3-1333	SECURITY	Trusted Platform Module (TPM)
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	MANAGEABILITY	9 Axis Sensor: 3D Accelerometer, Gyroscope & Magnetometer Temperature Sensor Hardware Monitor for Systems Voltages Watchdog Timer
STORAGE	Integrated 32GB Solid State Disk with ECC: Power Interrupt Data Protection, Security Erase Support for Larger Capacities	REGULATORY/EMC	FCC Class A CE Mark ROHS Compliant
GPS	72 Channel Engine (Included) Concurrent, Multi-GNSS: GPS, GLONASS, GALILEO, QZSS, SBAS Fast Acquisition and High Accuracy	POWER SUPPLY	9-36 VDC Input Voltage (10-36 VDC Continuous) Protection for Load Dump, Reverse Voltage, Brown Out, and Transients
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	MECHANICAL	Size: 157 D X 237 W X 56 H mm (6.2" X 9.3" X 2.2") Weight: 1.5 KG (3.3 Lbs)
WIRELESS OPTIONS	802.11B/G/N Long Range Wifi GSM/GPRS/LTE Cellular Support	ENVIRONMENTAL	Operating 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


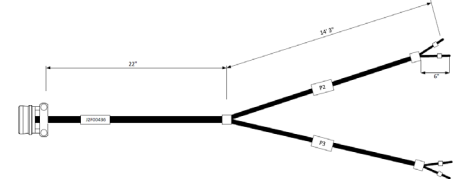


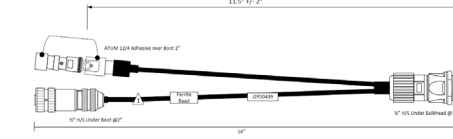

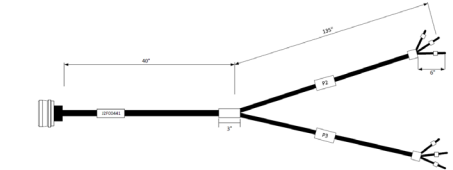
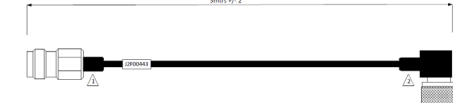
ORDERING INFORMATION

Contact us at **855.365.2188** or visit jsquared.com/general-inquiries to begin the ordering process.



TRAX-4M CABLE ACCESSORIES

J-Squared designs and manufactures cables for the TRAX-4M to meet a wide range of applications. These cables meet the needs of the harshest environments in mining, military and transportation applications. Contact J-Squared sales to inquire about these or other semi-custom or full custom cables you may require. The following standard cables are a sample of what we can produce.

CONNECTOR	PART NUMBER	DESCRIPTION	IMAGE
DISPLAY	OCT-CBL-SGL-00434	Display with video, USB and audio (Motium TUFF View termination). Length: 4.5m	
DIG / CAN	OCT-CBL-SGL-00436	Digital I/O and CAN Bus. Unterminated. Length: 5m	
GROUND LUG	OCT-CBL-SGL-00437	Ground lug termination. Length: 0.3m	
POWER	OCT-CBL-SGL-00438	Power with fuse. Unterminated. Length: 5m	
ETHERNET (FRONT) WITH POE	OCT-CBL-SGL-00439	Front 100BaseT Ethernet with PoE Power Injection pigtail. Female RJ45 Ethernet termination. 2-position automotive power termination. Length: 0.36	
ETHERNET (FRONT)	OCT-CBL-SGL-00440	Front 100BaseT Ethernet. Female RJ45 termination. Length: 0.36m	
SERIAL/USB	OCT-CBL-SGL-00441	COM serial ports (2) and USB (1). Unterminated. Length: 4.5m	
GPS	OCT-CBL-SGL-00443	GPS Antenna. TNC Male/Female terminated. Length: 3.0m	

Contact sales@jsquared.com for ordering information.



Designed, Tested & Built
OCTAGON TOUGH™

Rev 4.2

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