



FEATURES

Standard:

- Windows® CE 5.0 operating system
- 800x480 pixel, 178 mm (7") WVGA color TFT graphic LCD display
- Analog resistive touch screen
- Seven lighted, programmable function keys; lighted cursor key
- Two USB ports
- Two serial ports
- Built-in speaker and covert microphone
- Ambient light sensor
- Wide operating temperature
- NEMA-12/13 sealing
- Supports 12- or 24-volt vehicle power

Options:

- Up to two additional serial ports
- Up to two additional USB ports
- Eight general purpose digital I/Os
- Ethernet 10/100Base-T
- 802.11b wireless Ethernet
- GSM / GPRS modem
- Integrated GPS receiver
- J1708/1939 (CANBUS) interface
- Customizable logo and keypad



QSI Corporation's TREQ™ is a rugged yet economical mobile data terminal intended for use in a wide range of commercial vehicle applications.

The TREQ runs the Windows® CE 5.0 operating system. The terminal can be used for tasks ranging from vehicle systems control and monitoring to Automatic Vehicle Location (AVL) and Computer Aided Dispatching (CAD). The Windows operating system assures broad support for third-party hardware, software and application development.

HARDWARE

DISPLAY: The TREQ features a TFT color WVGA (800x480) LCD display, 178 mm (7") diagonal size. This display has excellent readability under most lighting conditions.

TOUCH SCREEN: Most user input occurs through the resistive touch screen. This touch screen has high resolution and excellent performance.

KEYS: Along the bottom of the unit are eight lighted tactile elastomeric keys. Seven keys are independently programmable and are backlit with bi-color LEDs. The eighth key is a lighted cursor key, augmenting the touch screen functionality.

HOUSING: The TREQ features a tough polycarbonate housing designed to withstand everyday use in commercial vehicle environments. The unit is sealed to the NEMA-12/13 standard to protect against dust and light liquid spills.

PROCESSOR: The TREQ is powered by the GEODE™ GX 500 processor (x86). The unit includes 128 Mbytes of RAM and 256 Mbytes of compact flash (upgradable).

CONNECTORS: On the back of the unit is a permanent integral cable with strain relief

POWER SUPPLY: The TREQ can be powered directly from 12- or 24-volt vehicle power, and includes circuitry to protect against normal variations (transients and spikes).

SOFTWARE

WINDOWS® CE 5.0: The TREQ runs the Windows CE 5.0 operating system. The Windows operating system assures broad support for third-party hardware, software and application development.

QUICK SPECIFICATIONS

DISPLAY	TFT color WVGA LCD display, 256,000 colors 178 mm (7") diagonal 154 mm x 93 mm "live area" Pixels: 800x480 Dot Pitch: 0.27 mm Lighting: CCFL lighting Brightness is software controllable Ambient light sensor (configurable)
TOUCH SCREEN	Analog resistive
INTERFACE	Two serial ports (configurable to EIA-232, EIA-422 or EIA-485) Two USB ports (one on front and one wired in cable) Options: Ethernet 10/100Base-T 802.11b wireless Ethernet J1708/1939 Eight general purpose digital I/O lines
COMMUNICATIONS	Options: GSM/GPRS modem Integrated GPS receiver
AUDIO	Built-in speaker, covert microphone
ENVIRONMENTAL	Sealing: NEMA-12/13 Temperature: Operating -20 to 60 °C Storage -40 to 85 °C Humidity: 0 to 95% non-condensing Vibration: 5 to 5000 Hz, 4 g RMS Shock: 20 g, 3 ms, any axis Electrical transient and noise per J1455
POWER	6 to 32 VDC input voltage range (exceeds J1455) 8 watt average power consumption (670 mA @ 12 VDC)

