

# TREQ<sup>®</sup>-M4

Mobile Data Terminal



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# TREQ<sup>®</sup>-M4

## Mobile Data Terminal

The compact and powerful mobile data terminal that is ready for all your in-vehicle applications.



Windows<sup>®</sup> Embedded CE 6.0

## FEATURE OVERVIEW

- 480x272 Color TFT LCD, 600 nit brightness, 109mm (4.3") diagonal
- Analog resistive touch screen
- 4-key lighted elastomeric keypad
- EIA-232/422 Serial port – software-configurable
- Two USB full-speed host ports
- Third USB port in cable\*
- 10/100Base-T wired Ethernet
- Bluetooth\*
- 6 - 32 VDC input power and SAE J1455 compliant power supply
- Windows<sup>®</sup> Embedded CE 6.0 R2 Core or Professional\*
- 2 Gbytes non-volatile memory, 128 Mbytes RAM
- -20 to 70 °C operating temperature
- RoHS compliant
- CE Certified
- Internal speaker
- Real-time clock
- Magnetic card reader\*
- Customizable logo and keypad\*

\*optional

## TREQ<sup>®</sup>-M4 - The New Shape of Rugged

The TREQ-M4 is loaded with the features integrators need for in-vehicle communication and control. The rugged design and compact housing make the TREQ-M4 ideal for vehicle-mount applications.

Its compact size does not mean compact options or performance. The TREQ-M4 has a robust XScale™ Processor and Windows<sup>®</sup> Embedded CE 6.0 allowing fast application design and integration with your system requirements, including custom application development and third-party software and hardware. Also standard are its 109 mm (4.3") color daylight readable display with

touch screen, and serial and USB interfaces. Optional features include Bluetooth for convenient wireless connectivity, Ethernet and a magnetic card reader for rapid fare or data collection.

For twenty-five years, QSI has brought its innovative design and manufacturing expertise to customers worldwide. The TREQ family of mobile data terminals exceeds customers' requirements for ruggedness and reliability.

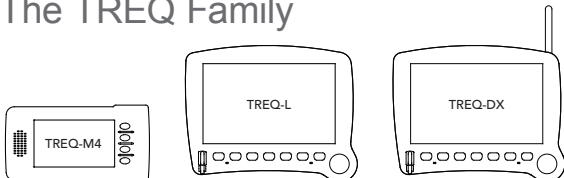
It's time for you to experience the new shape of rugged. Contact QSI today.

## TREQ-M4 Specifications

Feature	Detail	Description	
Display	Resolution	480x272 Color TFT LCD	
	Color depth	65,536 colors	
	Size	109 mm (4.3") diagonal	
	Brightness	600 nits	
	Lighting	White LED	
Keypad	Number of keys	Four (independently programmable)	
	Construction	Laser etched elastomeric with tactile feedback	
	Lighting	Yes (LED)	
	Legend customization*	Custom laser etching	
Touch screen	Type	Analog resistive	
Interface	USB	Two 1.1 full speed host ports	
	Serial port	Two ports: One EIA-232/422, software configurable, one EIA-232	
	Baud rates	9600, 19200, 38400, 57600, 115200, 230000, 460000, 921000, 1.8 M, 3.6 M	
	Bluetooth*	One class 2, v2.0 compliant	
	Supported Bluetooth Profiles	GAP, GOEP, SPP, DUN, FTP, HID, HFP, HSP, HID, LAP, OPP, PAN	
	Ethernet/USB	10/100Base-T wired Ethernet or third USB host port*	
	Cable	Integral cable with strain relief	
Memory	Flash	2 Gbytes, support for up to 8 Gbytes	
	RAM	128 Mbytes SDRAM	
Audio	Speaker	Sealed 1 W 8 Ω speaker, 78 dB nominal at 1 m, 1 W input power	
	External Speaker Jack	3.5 mm Tip Ring Sleeve (TRS) jack, mono output	
	Audio decoder	WinCE includes support for decoding .wav, .mp3 and other formats	
Housing	Material	Blended polycarbonate and polyester resin	
	Mounting	Mini RAM mount	
	UL	94HB flame rating	
	Size	WxHxD 167x90x37 mm	
Environmental	RoHS	Compliant	
	Temperature	Operating	-20 to 70 °C
		Storage	-40 to 85 °C
	Humidity	0 to 95%, non-condensing	
	Vibration	10 to 1500 Hz, 4 g, 0.5 octave/minute	
	Shock	40 g, 11 ms, any axis	
	FCC certification	FCC Part 15, Class A	
CE Certified	EN60950-1, EN55022, EN55024		
Processor	Type	Marvell® XScale™ PXA300, 624 MHz (ARM)	
Realtime clock	Standard	Standard, battery-backed, 1 second resolution	
Power	Standard	6 to 32 VDC input voltage range	
	Power supply	SAE J1455 compliant	
Other	Card reader*	Magnetic card reader (three tracks)	
Software	Terminal operating system	Windows® Embedded CE 6.0 R2 Core or Professional*	

\*optional

## The TREQ Family



**TREQ**<sup>®</sup>  
Mobile Data Terminals

# TREQ-M4 Dimensions (mm)

