

TREQ-L & TREQ-M4

Mobile Data Terminals



The **TREQ-L** is the economical and rugged mobile data terminal to use with your external communication devices. Designed and built with years of rugged engineering experience, the TREQ-L mobile data terminal is guaranteed to perform in the field.



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.

Analog Resistive Touch Screen

TREQ-L: 800x480 pixel, 178 mm (7") WVGA color graphic LCD display
TREQ-M4: 480x272 pixel, 109 mm (4.3") WQVGA color graphic LCD display

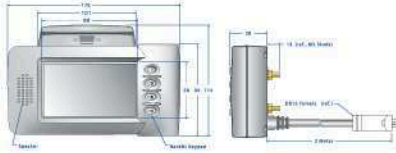
1 Serial Port & 2 USB Ports

Supports 12- or 24-volt vehicle power

RoHS Compliant & CE Certified

Mobile Resource Management

Simplified



TREQ-M4 SPECIFICATIONS

Display

Resolution	480x272 TFT color WQVGA LCD
Color depth	65,536 colors
Size	109 mm (4.3") diagonal
Type touch screen	Analog resistive

Housing

Material	Blended polycarbonate and polyester resin
Mounting	48.6 mm (mini RAM mount)
Size	167x90x37 mm
Mass	0.46 kg

Keypad

Keys	4 (independently programmable)
Lighting	Green LED

Interface

USB	2 full speed host ports
Serial ports	1 EIA-232/422 (software configurable) 1 EIA-232
Baud rates	9600, 19200, 38400, 57600, 115200, 230000, 460000, 921000, 1.8 M, 3.6 M
Bluetooth* (optional)	One class 2, v2.0 compliant
Ethernet/USB (optional)	10/100Base-T wired Ethernet or third USB host port

Hardware

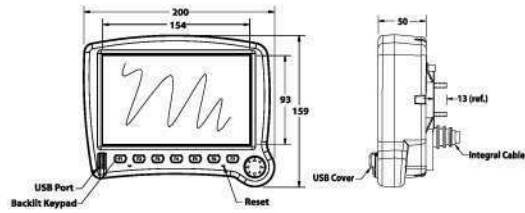
Flash	2 or 4 Gbytes
RAM	128 Mbytes SDRAM
Processor	Marvell® XScale™ PXA300, 624 MHz (ARM)
Realtime clock	Standard
Card reader (optional)	Magnetic card reader (three tracks)

Environmental

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
RoHS Compliant	Yes
Certifications FCC	Part 15, Class A
CE Certified	EN60950-1, EN55022, EN55024

Power

Standard	6 to 32 VDC input voltage range
Power supply	SAE J1455 compliant
Power Consumption	3-5 Watts (400 mA @ 12 VDC)



TREQ-L SPECIFICATIONS

Display

Resolution	800x480 pixel, TFT color WVGA LCD
Color depth	65,536 colors
Size	178 mm (7") diagonal
Type touch screen	Analog resistive

Housing

Material	Blended polycarbonate and polyester resin
Mounting	Standard vehicle mounting hardware
Size	200x159x50 mm

Interface

USB	2 USB host ports (one on front and one on back)
Serial ports	1 configurable to EIA-232 or -422
Cable	Integral cable with strain relief

Hardware

Flash	256 Mbytes upgradeable to 2 Gbytes
RAM	128 Mbytes
Processor	Marvell® XScale™ PXA270, 416 MHz (ARM)

Environmental

Temperature Operating	-20 to 60 °C
Storage	-40 to 80 °C
Humidity	0 to 95%, non-condensing
Vibration	10 to 1000 Hz, 4 g RMS
Shock	20 g, 11 ms, any axis
RoHS Compliant	Yes
FCC certification FCC	Part 15, Class A
CE Certified	EN60950-1, EN55022, EN55024

Power

Standard	8 to 32 VDC input voltage range (exceeds J1455)
Power supply	12 W average power consumption (1 A @ 12 VDC) 12- or 24-volt vehicle power



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