

# EchoRTX

*Mobile Messaging Terminal for CrossCheck GSM and CrossCheck AMPS*

## Key features and benefits

- Large, high contrast display
- Displays free-form text messages from dispatch to vehicle
- Sends vehicle status reports
- Sends predefined text messages
- Custom-configurable by mobile messages
- GPS "time stamp" applied to all operator status changes
- Built tough for rugged environments

The EchoRTX™ terminal is the messaging component of a mobile asset management system. The EchoRTX terminal connects to the CrossCheck® GSM and CrossCheck AMPS communicator in the vehicle to receive and display text messages, send predefined text messages and report vehicle status quickly and easily, without using voice communication. Some examples of vehicle status reporting are:

- En route
- Picked up load
- Transporting load
- Delivered load
- Returning to base

The unit's durable design enables permanent mounting in virtually any type of vehicle.

## Easy to Read and Use

The EchoRTX features a large screen that displays clear, oversized characters, which are easy to read, even from a distance or in any lighting condition, including direct sunlight. Backlighting illuminates both the display and the keypad for use at night and in dark locations. The combination of easy-to-read characters and large, widely spaced status keys ensures easy operation.

## Status and Text Messages

Up to 8 status messages, each



*The EchoRTX Messaging Terminal*

with up to 14 qualifiers, can be reported. The status messages and qualifiers may be customized for each individual installation. The EchoRTX can also receive and display free-form text messages sent by a dispatcher.

As the driver pushes a key, the EchoRTX display indicates which key was pushed and confirms the activation by sounding an audible tone. The status change is then passed to the CrossCheck communicator and transmitted to the dispatch center to provide updated vehicle status. If the vehicle is out of communication coverage, the CrossCheck communicator stores the status changes and

text messages for transmission when the vehicle moves back into communication coverage.

## Housing

Housed in a rugged plastic package, the EchoRTX is durable and able to withstand the wear and tear typical in commercial vehicle applications. EchoRTX is supplied with a swivel mount installation kit that enables the driver to position the unit for most convenient operation.

## EchoRTX Developer's Kit

An EchoRTX Developer's Kit allows system integrators to create custom EchoRTX menus and predefined messages.

# Trimble

# EchoRTX

## Mobile Messaging Terminal for CrossCheck GSM and CrossCheck AMPS

### SCREEN CHARACTERISTICS

<b>Screen Characters</b>	40 characters x 12 lines
<b>Status Types</b>	Up to 8 discrete status options, each with up to 14 qualifiers
<b>Display</b>	121 mm (4.7") diagonal, 320 x 200 pixel, STN LCD

### ELECTRICAL SPECIFICATIONS

<b>Interfaces</b>	10-conductor RJ-45 socket for connection to the CrossCheck GSM or CrossCheck AMPS, vehicle power and ignition switch 8-conductor RJ-45 socket for connection to a PC for maintenance and upgrades (RS-232)
<b>Voltage</b>	+8 to +24 VDC
<b>Power Consumption</b>	3.0 Watts typical @ 12 VDC 8.5 Watts maximum @ 12 VDC (with back-light)
<b>Cable Supplied</b>	10-conductor RJ-45 to power leads, ignition switch and two DB9M connectors

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temp</b>	-20°C to +70°C	
<b>Storage Temp</b>	-30°C to +80°C	
<b>Humidity</b>	5% to 90% RH, non-condensing at +40°C	
<b>Shock</b>	40 g for 11 milliseconds	
<b>Vibration</b>	0.008 g <sup>2</sup> /Hz	5 Hz to 20 Hz
	0.05 g <sup>2</sup> /Hz	20 Hz to 100 Hz
	-3 dB/Octave	100 Hz to 900 Hz

### PHYSICAL CHARACTERISTICS

<b>Size (WxHxD)</b>	5.9" x 4.8" x 1.5" (149 mm x 122 mm x 37 mm)
<b>Weight</b>	1.06 lbs. (0.80kg)

### FOR MORE INFORMATION

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