

Mobile Data Terminal

MDT-100

The Mobile Data Terminal (MDT) is an important accessory for the RTCU MX2 or RTCU M11/M11i Series allowing a broad range of exciting new applications to be implemented. The MDT offers a complete user interface solution with a clear to read LCD screen with large and friendly keys, backlid support and buzzer – all packed in a rugged package that can withstand the tough environment of commercial vehicles.



The Mobile Data Terminal extends the RTCU MX2 or RTCU M11/M11i Series with a range of new features supporting implementation of interactive user interface oriented applications such as:

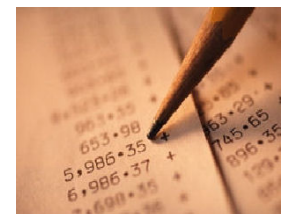
- Job dispatch handling
- Two way messaging
- GSM voice call connection management
- Send/receive SMS messages
- Vehicle status and diagnostic using the CAN bus
- Data collection, using for example an RF-ID reader
- Presenting database information stored on the SD-CARD
- Editing / printing data with a connected small-size printer
-only the imagination is the limit!!

The actual application for controlling the MDT is implemented in the RTCU unit using a very easy to use library of high-level VPL functions to write/format text, get keypress events, control the backlight and to control the power to the MDT. The complete user interface application can even be fully tested and debugged in the RTCU IDE, as the complete MDT functionality is fully supported in the Simulator.

Remotely upgrading the user interface logic in the application over GPRS can easily be archived with the state of the art advanced upgrade & deployment features available. Upgrading can even be accomplished during full operation of the MX2 and MDT reducing the impact of the upgrade to an absolute minimum.

Installing the MDT is easily performed as the product comes with all necessary cables and a flexible suction cup for windshield mounting or alternatively with a custom made bracket.

All these features insures safe, rapid application development with powerfull deployment features – all at a level of confidence that only the RTCU products from Logic IO can deliver!



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Key Features:

- High contrast Liquid Crystal Display (LCD)
- 8 lines x 26 characters
- High-level VPL library
- Full simulator support
- 4 types of text formatting
- Scroll up/down functionality
- 13 tactile keys
- Buzzer for audible notification
- 10 user selectable backlight levels
- Built for tough environments
- Easy installation
- Cursor positioning

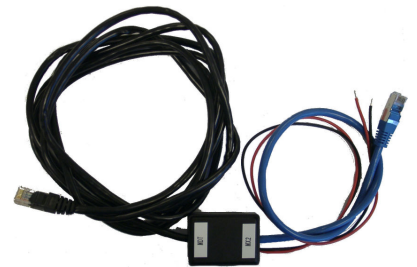
Contents of package:



1. Mobile Data Terminal



2. Flexible suction cup for windshield mounting.



3. Interface cable to the RTCU unit

Technical Specification:

Power supply	Min	Typ	Max			
Operating Voltage	10	-	30	VDC		
Unit in Power OFF mode			0	mA	Currents are measured @ 12VDC	
Unit in Standby mode			40	mA		
Unit ON with full backlight			70	mA		
Storage temperature	-40	-	+85	°C	External interface: • RJ45 for serial interface and power supply • Comes with interface cable for either the RTCU MX2 or RTCU M11 / M11i Series.	
Operating temperature	-25	-	+60	°C		
Humidity			95	%		
Weight	0.226			Kg		
External dimensions	W 185 x H 85 x D 32 mm				Without mounting brackets	
Enclosure	UV stabilized, high-temperature resistant					
Piezo buzzer	Sound level	80	-	90	dB	Measured 1m in front of unit
	Frequency		1		kHz	
LCD	Lines			8		
	Characters/line			26		
	Pixel resolution			160 x 80		

For more information

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