

Mobile Data Terminal

MDT-200

The Mobile Data Terminal (MDT-200) is an important accessory for the RTCU X32 or M11i series allowing a broad range of exciting new applications to be implemented. The MDT-200 offers a complete user interface solution with a clear to read LCD screen with large and friendly keys, backlit 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 MX2i/M11i Series with a range of new features supporting implementation of interactive user interface oriented applications such as:

- Mobile job dispatch
- Fleet management
- 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
- Asset tracking and management
-only the imagination is the limit!!

The actual application for controlling the MDT-200 is implemented in the RTCU using a very easy-to-use library of high-level VPL functions to write/format text, get key-press events, control the backlight, contrast and 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 RTCU and MDT-200 reducing the impact of the upgrade to an absolute minimum.

Installing the MDT-200 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 powerful deployment features – all at a level of confidence that only the RTCU products from Logic IO can deliver!



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Key Features:

- Monochrome Graphical Liquid Crystal Display
- 320 x 240 pixels (1/4 VGA)
- 11 lines with 28 characters
- High-level VPL library
- Full simulator support
- User defined font support
- Scroll up/down functionality
- 21 tactile keys and a 4-way cursor
- Buzzer for audible notification
- 10 selectable backlight levels
- Built for tough environments
- Easy installation
- Cursor positioning
- Contrast adjustment

Contents of package:



1. Mobile Data Terminal



2. Flexible suction cup for windshield mounting.



3. Interface cable

Technical Specification:

Power supply	8 – 30 VDC					
Currents	@8	@12	@30	VDC		
Standby	70	50	25	mA		
Unit operating, no backlight	90	60	30	mA		
Unit operating, full backlight	135	90	40	mA		
Storage temperature	-40	-	+85	°C	External interface: • RJ45 (M11, MX2i and DX4) or without RJ45 (AX9) for serial interface and power supply	
Operating temperature	-25	-	+60	°C		
Humidity			95	%		
Weight	0.295			Kg		
External dimensions	W 163 x H 95 x D 27 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				11	
	Characters / line				28	
	Pixels				320x240	

For more information

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