# @Road *i*DT 3000



The @Road *i*DT 3000 is an in-vehicle messaging device, used together with @Road GeoManager<sub>SM</sub> *i*LM® Mobile Resource Management software. The *i*DT (Internet Data Terminal™) works in conjunction with the GeoManager Messaging and Forms optional feature to provide two-way communication between mobile workers and their dispatchers and managers.

## @Road *i*DT 3000 Features
Using the vehicle-installed *i*DT, drivers are able to:
- Choose from up to 30 predefined text messages
- Add up to 20 characters to any predefined message
- Assign two frequently used messages to two specially designated soft keys (SPCL 1 & SPCL 2)
- Store up to 20 inbound and 40 outbound messages
- Choose from 10 user-defined forms with 10 fields each
- Automatically chart duty status and Hours of Service graphs, using the Driver Logs optional feature
- Create messages even when outside wireless coverage areas—the *i*LM will store messages in memory queue and automatically send when coverage is available

### @Road *i*DT 3000 Benefits
- Provides instant and seamless communication between dispatchers and mobile workers
- Enables streamlining of work flow and job status
- Automates processes and reduces paperwork
- Improves workforce efficiency while reducing operational costs

- Receive instant confirmation of package delivery using form-fill capabilities and optional barcode wand

Using the Messaging and Forms optional feature within GeoManager, dispatchers are able to:
- Program up to 30 predefined messages of 20 alphanumeric characters each and 10 status messages of 10 characters each for drivers to use with the *i*DT
- Deliver messages of up to 480 characters
- Send messages to one, multiple or all drivers
- Receive messages from drivers and prioritize responses more efficiently than with phone dispatching
- Generate professional reports on all inbound and outbound messages

## @Road *i*DT 3000 Specifications
**Dimensions:**
- 7.9" x 3.2" x 1.5" (200mm x 82mm x 38mm) (LWD)

**Weight:**
- 13.8 oz (390 gm)

**Electrical Specifications:**
- External power directly from vehicle's battery: 8V to 18V DC

**Current Consumption:**
- Idle mode: 23 mA at 12V DC
- Operating with backlight:  225 mA at 12V DC
- Operating without backlight:  51 mA at 12V DC

**Environmental Specifications:**
- Operating temperature: -4°F to 158°F (-20°C to 70°C)
- Storage temperature: -4°F to 176°F (-20°C to 80°C)
- Water and dust resistant

**Environmental Specifications (continued):**
- Humidity: 0 to 95% relative humidity non-condensing
- Shock and Vibration: MIL-STD-810E

**CPU:**
- Z80180 at 6.14 MHz

**Memory:**
- 256 KB Flash (System firmware and user programming)
- 256 KB RAM (System and user data)

**Display:**
- 240 x 64 pixel graphic LCD
- LED backlight (ON/OFF)
- 8 lines of 40 characters
- 2 LEDs for activity and alert indicators
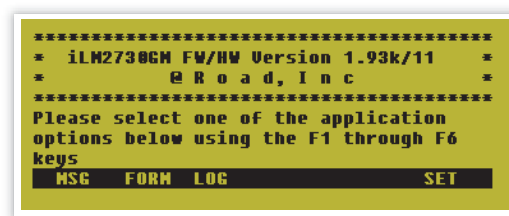
**Audio:**
- Audible alert, adjustable to ON or OFF

**Keypad:**
- Elastomer technology keypad
- 12 alphanumeric and numeric keys (cell phone style)
- 6 programmable function keys
- Navigation knob
- Backlight for all keys

**Connectors and I/O:**
- Serial 1: RS-232 with male DB9 pin connector
- Serial 2: RS-232 female RJ11 6 pin connector
- Serial 3: TTL input with female RJ45 8 pin connector
- Serial 4: TTL input with female RJ11 4 pin connector

**Peripheral Options:**
- Serial 1: *i*LM
- Serial 2: Keyboard
- Serial 3: Unused
- Serial 4: Barcode Wand

```
*********************************
* iLM2730GM FW/HW Version 1.93k/11 *
*       @ R o a d , I n c        *
*********************************
Please select one of the application
options below using the F1 through F6
keys
 MSG   FORM  LOG            SET
```

Display:
8 lines 40 characters
240 x 64 pixels
LED backlight

LED indicators

Control knob

6 function keys

Backlit alphanumeric cell phone-style keypad

Optional Barcode Wand
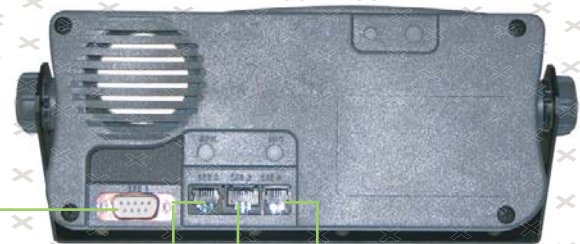
Optional QWERTY Keyboard

Serial 1

Serial 2   Serial 3   Serial 4

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## About @Road

@Road, a Trimble company, is a leading global provider of solutions designed to automate the management of mobile resources and to optimize the service delivery process for customers across a variety of industries. @Road delivers Mobile Resource Management (MRM) solutions in three key areas: Field Force Management, Field Service Management and Field Asset Management.