The Trimble PDT250 is an in-cab smart display developed specifically for the construction materials industry. Hosting Trimble’s TrimFleet Mobile application, the large touch-screen display is easy to use and equips drivers with the necessary tools to save time and increase productivity.

Trimble’s PDT250 was designed to provide a rich in-vehicle experience while surviving the harsh mobile environment of the construction industry. The PDT250 was built to withstand a wide range of temperature and humidity fluctuations as well as intensive shock and vibration conditions in order to provide a durable, long-lasting in-cab display.

With a vibrant 7” color touch-screen display, the fixed-mount PDT250 easily guides vehicle operators and maintains a connection between the driver and dispatch operators throughout the delivery process.

KEY FEATURES AND BENEFITS

- Easy to use 7” touch-screen display
- Free-form text messaging allows customizable driver initiated messages with TrimView software
- Customer-defined safety settings manage when the driver can read or respond to messages
- Each user can select language preferences for all messages, events and units of measurement
- Various optional features allow users to customize the solution for maximum value

INCREASE FLEET PRODUCTIVITY WITH THE PDT250 SMART DISPLAY

OPTIONAL FEATURES

Active Navigation
Automatically routes vehicles to and from jobsites and provides drivers with turn-by-turn directions, when integrated with dispatch software. Features include route preview, route preference, visual maps and voice-guided directions, multi-lingual support and, when data is available, use of vehicle height/weight to smart-map the vehicle away from restricted roads or bridges.

TrimFleet Communicator
Provides integrated push-to-talk voice communication for drivers and dispatch. Uniting the best of cellular and legacy radio communications, TrimFleet Communicator offers talk groups, point-to-point calls, driver presence information and a voice activity log.

Driver ID
Easily identifies who is operating each vehicle using a unique driver personal identification number (PIN) for login. With DriverID, TrimView users can see when a vehicle is “in service” or when a driver is on or off break.

For more information, visit www.trimble.com/TCL
**TECHNICAL SPECIFICATIONS**

**Physical**
- Size: 8.6in x 6.4in x 2.1in
- Weight: 0.7 kg (1.52 lbs)
- Primary Processor: TI OMAP 3503 ARM Cortex™-A8 Core
- Memory: 256 MB RAM, 512MB Flash
- OS: Microsoft Windows Embedded CR 6.0 Core

**Electrical**
- Supply Voltage: 5V DC (by side input panel), 12V/24V (direct vehicle battery)
- SAE J1455 compliant

**Environmental**
- Operating Temperature: -20°C to +70°C (-4°F to +158°F)
- Storage Temperature: -30°C to +80°C (-22°F to +176°F)
- Humidity: 0-95% non-condensing
- IP Rating: IP54
- Vibration: 5-1000Hz, ~4g, 2-axis
- Mechanical Shock: 40g, 11ms, 3-axis
- Crush Safety: 75g, 6ms, 3-axis

**Radio**
- Bluetooth: Class 1, Data and voice support, Internal, on-board antenna
- Wireless LAN: 802.11b/g, Internal, on-board antenna

**Certifications**
- Standard Compliance: FCC Part 15, CE and CE Safety, E-Mark

**Peripheral and I/O**
- Serial Interface: 1x4 Wire TX, RX, RTS, CTS, 1x2 Wire TX, RX, 300-115.2k bps
- Digital Inputs: 2x Automotive inputs
- Digital Outputs: 1x Open Collector Analog Input
- USB OTG port: 2.0, Low, Full and High
- USB Host Port: 2.0, Low, Full and High
- 1-Wire Interface: Dallas ID memory button support
- Memory Card: SD / MMC (SDHC) up to 32GB

**User Interface**
- Display: WVGA (800 x 480), 7” color TFT LCD
- Backlight: Multi-level backlight (White LED)
- Touch Screen: Analog Resistive, 4 Wire
- Keypad: Rubber tactile, multi-level backlight
- Internal Speakers: 2x1W, 90db nominal @ 0.1m
- Internal Microphone: High Sensitivity Noise Filtering
- Light Sensor: Configurable for device backlight adjustment

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