MDT-7P™

Next Generation Android Tablet for Telematics Applications & Services

CalAmp’s MDT-7P™ Android-based tablet provides a powerful platform for vehicle centered applications and services. This mobile data terminal was designed to integrate seamlessly with CalAmp’s family of after-market telematics devices. It features wired, Wi-Fi and Bluetooth connectivity, a rugged 7-inch touchscreen display, and is ideally suited to deliver and support value-added applications for industries such as long-haul trucking, fleet management, asset delivery and mobile workforce management.

**Experience The Advantage**

- Easy-to-use Android Lollipop OS for application development
- Integrated GPS receiver for high precision mapping, navigation, dispatch and routing
- High quality built-in front and rear facing cameras to support streaming video applications
- Secure 802.11 b/g/n protocols for Wi-Fi connectivity
- Dual-mode Bluetooth 4.0 including BLE support
- 7” Touchscreen display
- Ruggedized shock-absorbing silicone case
- Tethered vehicle dock for accessibility

**Versatile Telematics Platform**

The MDT-7P™ is designed at its core to support the development and deployment of telematics applications for the mobile workforce. It provides a powerful platform to support, monitor and maintain applications such as those designed to support compliance mandates for hours of service, rests, vehicle inspections and other state and federal regulations. The MDT-7P™ delivers an integrated high precision GPS receiver to enable routing and navigation applications such as turn by turn directions, real-time driver dispatch and messaging, and a range of third party work order management systems.

**Flexible Performance**

The MDT-7P™ employs CalAmp’s Mobile Framework (CMF), providing an interface with the advanced industry leading on-board alert engine, PEG™ (Programmable Event Generator) installed on every CalAmp telematics device. PEG™ enables the MDT-7P™ to communicate with an installed telematics device to continuously monitor the operating environment and respond instantly to pre-defined and configurable threshold conditions such as time, date, motion, location, geo-zone crossings and many other parameters.

**Over-The-Air Serviceability**

The MDT-7P™ leverages CalAmp’s management and maintenance system, PULS™ (Provisioning/Programming, Update, and Logistical System), for autonomous over-the-air installation of applications and firmware directly to the tablet from trusted sources such as CalAmp’s Appstore while in service.
# MDT-7P™ Specifications

## General
- **Operating System**: Android™ 5.0 (Lollipop)
- **Processor**: 1GB DDR3 Internal RAM
- **Memory and Storage**: 8GB Internal ROM, Micro SD Card Slot (up to 32GB flash)
- **Display**: 7” 1024 x 600 TFT LCD
- **Aspect Ratio**: 16:9

## GPS
- **Location Technology**: GPS
- **Receiver Type**: 16 Channels
- **Tracking Sensitivity**: -160 dBm
- **Acquisition Sensitivity**: -148 dBm

## Connectivity
- **Serial Interface**: USB 2.0 (Via Dock USB to TTL serial converter)
- **Wireless**: Wi-Fi 802/11 a/b/g/n, Bluetooth 4.0 Dual Mode w/BLE
- **Communication Speed**:
  - Bluetooth*: Up to 3 Mbps
  - USB: Up to 480 Mbps
  - Wi-Fi*: Up to 40 Mbps
- ***Depends upon end-point separation**

## Features
- **Speaker**: -40dBV sensitivity
- **Microphone**: 120Hz-1kHz, 80Hz-10kHz
- **Camer**: 2m pixel with 6 IR LEDs (Front), 5m pixel (Back)

## Certifications
- **FCC, IC, Applicable Carriers**

## Electrical
- **Operating Voltage**: 12VDC
- **Dock Interface Range**: 9V - 36V
- **Battery**: Li-polymer 3.7V 4300mAh internal battery with intelligent power and charge management system to protect and enhance battery life
- **Battery Life**:
  - 3 Hours (Typical, based upon usage profile)
  - 5 Hours (Typical, in active conditions, results may vary upon environmental and usage)

## Physical
- **Dimensions**: 8.66 x 5.43 x 0.94” (220 x 138 x 24mm)
- **Weight**: 16.93oz (490g)
- **Enclosure**: Ruggedized IP -53 silicone case
- **Connectors**: Mini USB, OTG card, SD slot
- **Soft Keys**: Volume +/-, Home, File manager, Return

## Key Features
- **Messaging**
- **Job Dispatch**
- **CalAmp Dashboard Application**
- **Support for select third party applications**
- **Fleet Management Protocol**

## Product Options
- **MDT Dock**, with quick one touch release button simple snap connect
- Connects with multiple standard mounting solutions
- Customized hardware and software development available on request

## Disclaimer
- Storage and usage conditions recommended to be cool, dark, dry.
- Avoid extreme temperatures to prolong battery life.
- Do not recharge the battery at device in areas that may get hot. Examples include, but are not limited to, direct sunlight, on or near a space heater, cooking surface, cooling surface, cooking appliance, hot, radiator, or fireplace.
- Charge batteries in a room-temperature environment, which is generally between 68° F and 79° F (20° C and 26° C).

1 Typical 3-6 months
2 See online technical specifications for latest details regarding battery options

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**About CalAmp**

CalAmp (NASDAQ: CAMP) is a telematics pioneer leading transformation in a global connected economy. We help reinvent businesses and improve lives around the globe with technology solutions that streamline complex IoT deployments and bring intelligence to the edge. Our software applications, scalable cloud services, and intelligent devices collect and assess business-critical data from mobile assets, cargo, companies, cities and people. We call this The New How, powering autonomous IoT interaction, facilitating efficient decision making, optimizing resource utilization, and improving road safety. CalAmp is headquartered in Irvine, California and has been publicly traded since 1983. LoJack is a wholly owned subsidiary of CalAmp. For more information, visit calamp.com, or LinkedIn, Twitter, YouTube or CalAmp Blog.