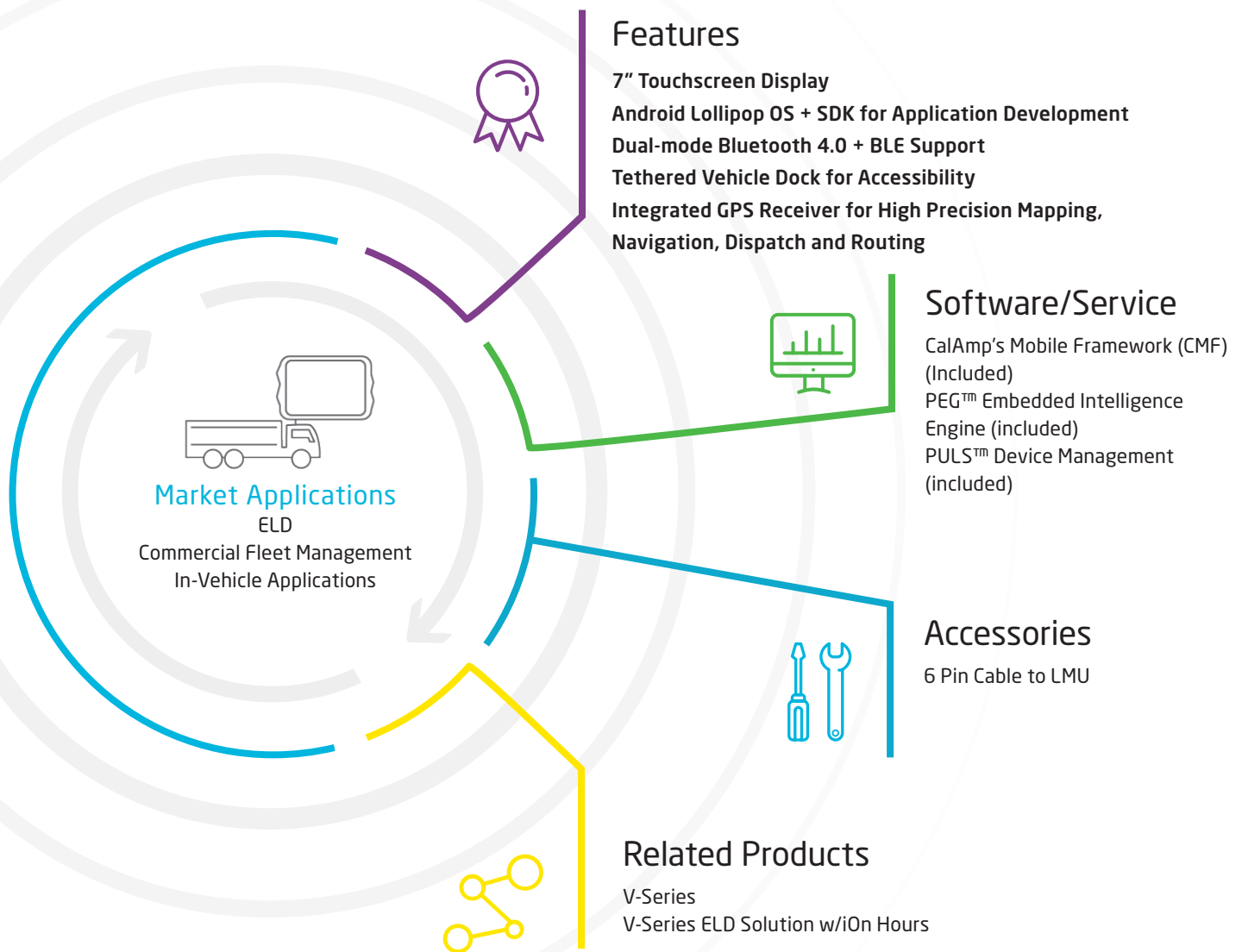


MDT-7P™



A Heavy-Duty Android™ Tablet Offering Advanced Telematics Applications & Services

The MDT-7P™ is a rugged Android-based mobile data terminal featuring wired, Wi-Fi and Bluetooth connectivity. Designed to integrate with CalAmp's family or after-market telematics devices, it is best suited to support and deliver driver centric in-vehicle applications and services.



MDT-7P™ Technical Specifications

Android Tablet Features

Display	7" 1024 x 600 TFT LCD
Aspect Ratio	16:9
Operating System	Android™ 5.0 (Lollipop)
Processor	1GB DDR3 Internal RAM
Memory and Storage	8GB Internal ROM Expandable Micro SD Card Slot (up to 32GB)
Speaker	-40dBV sensitivity
Microphone	120Hz-10kHz, 80Hz-10kHz
Cameras	2m pixel with 6 IR LEDs (front) 5m pixel (back)

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	

Satellite Location (GNSS)

Constellation Support	Hybrid GPS
Channels	16 Channel
Tracking Sensitivity	-160 dBm
Acquisition Sensitivity	-156 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
AGPS Location assistance capable	

Certifications

Industry Certifications	FCC, IC, RoHS
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Device Management

PULS™	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
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Embedded Intelligence Engine

PEG™	Update device functionality or develop new on the edge applications
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Electrical

Operating Voltage	12VDC
Dock Interface Range	9V-36V

Battery Pack

Backup Battery ¹	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)

Environmental

Temperature	-20° to +60° C (start-up, operating) 0° to +45° C (long term storage) ²
Shock and Vibration	SAEJ1455

Physical/Design

Dimensions	8.66 x 5.43 x 0.94" (220 x 138 x 24mm)
Weight	16.93 oz. (490g)
Enclosure	Ruggedized IP53 silicone case
Soft Keys	Volume +/-, Home, File manager, Return

Connectors

Mini USB, OTG card, SD slot

Product Options

MDT Dock, with quick one touch release button simple snap connect
Connects with multiple standard mounting solutions
Customized hardware and software development

¹ See online technical specifications for latest details regarding battery options

² Typical 3-6 months

CALIFORNIA PROPOSITION 65



WARNING:

This product can expose you to chemicals including Carbon black and Nickel, which are known to the State of California to cause cancer, and including Bisphenol A and 1,3-Butadiene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov