CalAmp® MDT 8W

MDT-8W

CalAmp®

A heavy-duty tablet offering advanced telematics applications for the K-12 market

Display

7" 1024 x 600 IPS (600 nits, 85° view angle)

Operating System

Android™ 9.0

This tablet communicates to the cloud by connecting to a cellular enabled CalAmp Location Monitoring Unit (LMU) via cable or bluetooth.

Cloud Native Platform: CalAmp Telematics Cloud allows you to connect remote assets to a diverse set of vertical applications and third-party services to scale your fleet and power data-driven operations.

Powerful Applications: CalAmp's enterprise-grade applications allow you to visualize the data you need and extract maximum value while minimizing your costs. Put intelligent analytics and custom reporting at your fingertips via a single-view, user-friendly interface.

Connectivity Technology

Integration-Ready • Scalable • Secure

Maintenance-Free Technology

One-time deployment, no ongoing service required

Device Life Optimization

Ensure long-term installations with up to 5 years battery life at once-daily location updates

Responsive Asset Tracking

Gain accurate and powerful movement-based asset tracking built with your data and performance needs in mind

Battery Status Notifications

Optimize battery health and device service scheduling with reliable notifications

Rugged and Resilient Design

Deploy devices built to withstand fine dust particles and submersion in one meter of water for up to 30 minutes

School Bus Tracking

Supports the Here Comes The Bus solution that enables remote school bus tracking for parents

CalAmp MDT 8W, MDT-8W | Tablet Features

Android Tablet Features	
Display	7" 1024 x 600 IPS (600 nits, 85° view angle)
Operating System	Android™ 9.0
Processor	Qualcomm® APQ8009 Quad core 1.3GHz
Memory and Storage	2GB RAM / 16GB internal storage
Speaker	1
Microphone	2
Cameras	Rear: 8 megapixels; Front: N/A

Connectivity	
Serial Interface	115200 Baud 8 Bit/1stop/no Par
Wireless Interface	WEP, WPA/WPA2 PSK, 802.11x EAP security standard, WIFI Direct® Bluetooth 4.1 (include 4.2 lib for BQB certificate) GPS (including AGPS) + GLONASS, simultaneously tracking

Battery Pack	
Charging Temperature	4,000mAh Li-ion Polymer
Battery Capacity	Battery life 10 hours + depending on usage (charging status on screen)

Environmental	
IP Rating	IP54; 1.2m/4ft drop resistant
Shock & Vibration	SAE J1455 standard, up to 20G peaks
Temperature	-20° to +60°C (-4° to +140°F) operating temperature*** -30° to +70°C (-22° to +158°F) storage temperature
Humidity	0 ~ 95%, non-condensing
Altitude	Operating: 0 ~ 4,572m (15,000ft); non-operating: 0 ~ 12,192m (40,000ft)

Connectors	
Touch Panel	WEP, WPA/WPA2 PSK, 802.11x EAP security standard, WIFI Direct®
Platform	Bluetooth 4.1 (include 4.2 lib for BQB certificate)
Expansion	GPS (including AGPS) + GLONASS, simultaneously tracking
Sensors	Accelerometer (G sensor) - auto rotation eCompassAmbient light sensor Gyro Vibration motor
Physical Interface	MicroSD slot (up to 128GB capacity) MicroSIM slot USB Type-C 2.0 (supports OTG) 18-pin pogo pin connector (charging & data transmission) Built-in mic x2 (supports noise cancellation); Built-in speaker x1
Buttons	Front: power, programmable button x2 (default: volume +/-) Soft buttons: on screen Android navigation keys

*** -15°C (5°F) operating stand-alone; -20°C (-4°F) operating with AC input

Quoted Separately

Cradle (non IP-rated)	Specifications Kiron Pro / ELD cradle
I/O port	microUSB (charging only) x1; Power input 5V/2A
Cradle Interface	Pogo pin connector for power and data (10 pins)
Fleet Port	Tx/Rx signal

Accessory	
Vehicle Charger + Cable Set	Vehicle charger (5V/2A) + MicroUSB cable, 1.3m

For full tech specs visit calamp.com

Cal/Amp®