

8 inch Android Rugged Tablet

# MDT-801

A new era of rugged hardware for transport



**OS**  
Android 12



**Performance**  
Octa-Core Processor



**Wireless**  
WiFi, Bluetooth



**Battery**  
Long-lasting 8000mAh



**Operating Temp.**  
-10°C to 60°C



**Camera**  
20MP Autofocus with flash  
8.0MP Front camera(Optional)



**Display**  
8" IPS  
(1280x800)



**Drop Resistance**  
Multiple 1.2 m (4 ft)  
drops per MIL STD 810G

## Network

2G / 3G / 4G with voice; Proved reliability network connection

## Extended Features

Barcode reader  
Lora module to connect wireless Lora temp sensor

## Cradle Design

RJ45, RS232 interface and OTG supported



**RS232** x 2  
**RS485** x 1  
**GPIO** x 4

**Video input** (Support 1 AHD or analog camera)  
**Camera Hub** (Support up to 4 1080p camera input and with HDD loop recording capacity)

## MDM Remote Control Server

PaceBlade's device management server is developed to allow customer to update different firmware and make kiosk mode

## MDM server function:

- BOOT ANIMATION
- ADD APN
- INSTALL APK
- DEFAULT SETTING
- CUSTOMIZED BUTTON

## Specification

PERFORMANCE CHARACTERISTICS	
CPU	2.0GHz Octa Core Processor
OS	Android 12 with GMS or without GMS
Memory	4GB LPDDR4 X 32GB eMMC

PHYSICAL CHARACTERISTICS	
Dimensions	207mm L x 137.5mm W x 15mm D
Weight	528g
Display	8inch, IPS panel (1280 x 800 pixel)
Touch Panel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED Backlight
Power	Rechargeable Lit hium-ion Battery 3.8V 8 000mAh
Expansion Slot	User accessible micro SD card slot (standard supports up to 512G B)
SIM	2 x Nano-SIM
Interface	Docking Connector (18-pin) 1xUSB Type C 2.0 OTG 1x3.5mm Audio Headphone Jack 2xUSB Type A 2.0 OTG on the cradle 1xRJ45 Connector on the cradle 1xType C on the cradle for power supply
Notification	Audible tone, Charging Status LED
Voice Audio	Speaker, microphone, headphone
Keypad	On-screen keypad

WIRELESS WAN DATA AND VOICECOMMUNICATION	
Radio Frequency	GSM: 850/900/1800/1900MHz WCDMA: B1/B2/B4/B5/B8 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28 LTD TDD: B38/B40/B41
GNSS	GPS, GLONASS, GALILEO + External MMCX Antenna

WIRELESS LAN	
Radio	802.11 a/b/g/n/ac; 802.11 d/e/ h/i/j/k/r/v/w
Data Rate	5GHz: 802.11a/n/ac – up to 500 Mbps; 2.4GHz: 802.11b/g/n – up to 144Mbps
Security and Encryption	WFA WPA/WPA2 Personal, AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI (hard ware)

WIRELESS PAN	
Bluetooth	v2.1+EDR, v3.0+HS, v4.1+HS, v5.0+LE

WIRED LAN	
Ethernet	Support (w/Cradle)

DATA CAPTURE	
Scanner (Optional)	1D&2D Imagers
Front Camera (Optional) Rear Camera	8.0MP 20MP PDAF with LED flash
Video Input (Optional)	Support one channel AHD 720P,1080P and analog camera (w/Cradle) Support four channels AH D 720P,1080P and analog camera (w/Camera Hub)
NFC	Supported TAG-ICs: MIFARE Classic 1k/4k/Plus, MIFARE UltraLight MIFARE UltraLight C, MIFARE DESFire MIFARE DESFire Ev1, ISO 14443 A & B ISO 15693
Serial Communication	2 x RS232 2 x RS485

SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Accelerometer, E-Compass, Gyroscope

USER ENVIRONMENT	
Operating Temp.	-10°C to 60°C / -14° F to 140° F
Storage Temp.	-20°C to 70°C / -4°F to 158°F
Humidity	90% non-condensing
Drop Spec.	1.2m / 4 ft. to drop per MILSTD8 10G
Sealing	IP67
Electrostatic Discharge (ESD)	+/-8kVdc air discharge +/-4kVdc direct discharge +/-4kVdc indirect discharge

OPTIONAL ACCESSORIES	
Vehicle docking station Metal dash mount NFC reader at docking station Extra input and output at docking station	
* Specification is subject to change.	