

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, 3.0+HS, v4.1+HS
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.	