

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. | |