Android Rugged Tablet

MDT1065

Improve Productivity for Mobile Workers Even in Extreme Conditions



OS
Android 14

Performance
Octa-Core Processor

Wireless
WiFi,Bluetooth

Battery
Long-lasting 7600mAh

Operating Temp
-20˚C to 60˚C

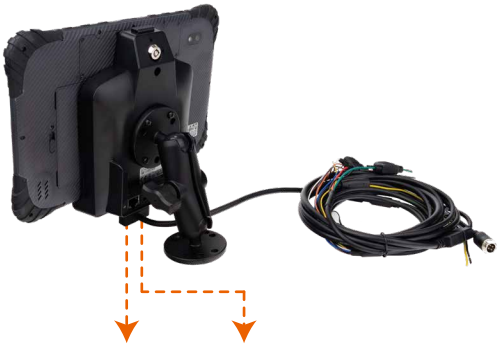
Camera
20MP Autofocus with flash

Display
10" IPS (1920×1200)

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

Cradle Design

RJ45,RS232 interface and OTG supported



RS232 × 2
RS485 × 1
GPIO × 4

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

Network

2G / 3G / 4G with voice, VoLTE
Proven reliable network connection

Extended Features

Barcode Scanner, RS232 module, Barometric Altimeter
LoRa module to connect wireless Lora temperture sensor

MDM Remote Control Server

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

MDM server function:

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

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Specification

PERFORMANCE CHARACTERISTICS	
CPU	2.0GHz Octa Core Processor
OS	Android 14 with nGMS or Non-GMS
Memory	4GB LPDDR4X
	64GB eMMC
PHYSICAL CHARACTERISTICS	
Dimensions	260mm L x 174mm W x 17mm D
Weight	930g
Display	10inch, IPS panel (1920 x 1200 pixel)
Touch Panel	Anti-glare capacitive multi-touchpanel/Glove,Wet mod
Backlight	LED Backlight
Power	Rechargeable Lithium-ion Battery 3.85V 7600mAh
Expansion Slot	User accessible micro SD card slot
	(standard supports up to 512GB)
SIM	2 x Nano-SIM
Interface	Docking Connector (18-pin)
	1 x USB Type C 2.0 OTG on the device
	1 x 3.5mm Audio Headphone Jack on the device
	2 x USB Type A 2.0 OTG on the cradle
	1 x RJ45 Connector on the cradle
	1 x Type C on the cradle for power supply
Notification	Audible tone, Charging Status LED
Voice / Audio	Speaker, Microphone, headset
Keypad	On-screen keypad
WIRELESS WAN DATA AND VOICE COMMUNICATION	
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/B66
	LTD TDD: B38/B40/B41
GNSS	GPS, GLONASS, GALILEO
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 (hardware)

WIRELESS PAN	
Bluetooth	V5.0
WIRED LAN	
Ethernet	Support (w/Cradle)
DATA CAPTURE	
Scanner (Optional)	1D&2D Imagers
Camera	Rear camera 20MP
Video Input (Optional)	Support one channel AHD 720P,1080P and analog camera (w/Cradle) Support four channels AHD 720P,1080P and analog camera (w/Cradle)
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 1 x RS485
SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Accelerometer, E-Compass, Gyroscope
USER ENVIRONMENT	
Operating Temp	-20℃ to 60℃ / -4°F to 140°F
Storage Temp	-20℃ to 70℃ / -4°F to 158°F
Humidity	90% non-condensing
Drop Spec	1.2m / 4 ft. to drop per MIL STD 810H
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.

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