Android Rugged Tablet

MDT880 5G

Improve Productivity for Mobile Workers Even in Extreme Conditions



OS
Android 14
or Android 16

Performance
Octa-Core Processor

Wireless
WiFi,Bluetooth

Battery
Long-lasting 8000mAh

Operating Temp
-20℃ to 60℃

Camera
40MP Autofocus
with flash

Display
8" IPS Anti-glare
(1000nits 1280×800)

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

Cradle Design

Versatile Docking Connectivity with Multiple Expansion Ports



CAN Bus × 2
GPIO × 5
RS232 × 1
RS485/RS232 × 1
(Default: RS232)

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

RFID

Front access, easy for driver to login

Network

2G / 3G / 4G / 5G with voice and VoLTE;
Proven reliable network connection

Extended Features

Supports barcode scanner, RS232 module, RFID LF reader, barometric altimeter, and LoRa module

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	2.2GHz Octa Core Processor
OS	Android 14 or Android 16 with nGMS, Non-GMS
Memory	8GB LPDDR4X
	128GB UFS2.2
PHYSICAL CHARACTERISTICS	
Dimensions	207mm L x 137.5mm W x 15mm D
Weight	615g
Display	8-inch 1280 × 800 pixel, IPS panel (1000 nits)
Touch Panel	Anti-glare capacitive multi-touch panel/Glove,Wet mod
Backlight	LED Backlight
Power	Rechargeable Lithium-ion Battery 3.8V 8000mAh
Expansion Slot	User accessible micro SD card slot
	(standard supports up to 512GB)
SIM	2 x Nano-SIM or 1 x Nano-SIM and 1 x eSIM
Interface	Docking Connector (18-pin)
	1 x USB Type C 2.0 OTG
	1 x 3.5mm Audio Headphone Jack
	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
	2 x CAN Bus on the cradle
	5 x GPIO (3 x Input, 1 x Output, 1 x ADC) on the cradle
Notification	Audible tone, Charging Status LED
Voice / Audio	Speaker, Microphone, headphone
Keypad	On-screen keypad
WIRELESS WAN DATA AND VOICE COMMUNICATION	
Radio Frequency	**EUR:**
	2G: 850/900/1800/1900MHz
	3G: B1/2/4/5/6/8/19
	4G: B1/2/3/5/7/8/20/28AB/38/39/40/41(194MHz)
	5G: NR:N1/3/5/7/8/20/28/38/41/77/78
	NAR:
	2G: 850/900/1800/1900MHz
	3G: B1/2/4/5
	4G: B1/2/3/4/5/12/13/17/18/19/25/26/28/30/38/41/66/71
	5G: NR: N2/5/25/41/48/66/71/77/78
GNSS	GPS, GLONASS, GALILEO (Dual-band L1+L5)
External GPS antenna	Yes, MMCX
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 40MP, Front camera 8MP (Optaional)
Video Input (Optional)	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	1 x RS232,1 x RS232/RS485 (RS232 by default) via Docking
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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