

679.00 EUR
incl. 19% VAT, plus shipping

- 5G and Dual-Band GNSS !
- 8-inch 1000-nit Display !
- 8 GB RAM, 128 GB UFS 2.2 !
- IP67 and MIL-STD-810H !

Support: Specifications | Manual

- Android 14 or Android 16 with nGMS or Non-GMS
- 2.2 GHz octa-core processor, 8 GB LPDDR4X and 128 GB UFS 2.2
- 8-inch IPS display with 1280 x 800 pixels, 1000 nits and anti-glare multi-touch for glove and wet operation
- 2G/3G/4G/5G with voice and VoLTE, Wi-Fi, Bluetooth 5.0 and dual-band GNSS
- Rechargeable 8000 mAh lithium-ion battery
- IP67, 1.2 m drop resistance per MIL-STD-810H and -20 °C to 60 °C operating temperature

The MDT880 is a rugged 8-inch Android vehicle tablet for professional use in vehicles, field service and industrial environments. It combines an anti-glare 1000-nit display, 5G and Wi-Fi connectivity, Bluetooth, dual-band GNSS, IP67 protection and an 8000 mAh battery. Built around a 2.2 GHz octa-core platform with 8 GB LPDDR4X memory and 128 GB UFS 2.2 storage, it is designed for demanding mobile workflows.

With its flexible cradle concept, the MDT880 is suitable as an in-vehicle terminal or docked workstation. The cradle provides Ethernet, USB, RS232, RS485, CAN bus, GPIO and video inputs, among other interfaces. Optional extensions such as 1D/2D barcode scanner, LoRa module, LF RFID reader, barometric altimeter and camera hub further extend the application range. An external GPS antenna connection with MMCX is available. The Topicon Device Management Server supports boot animation, APK installation, APN configuration, default settings, customized buttons, firmware updates and kiosk mode, among other functions.

PERFORMANCE CHARACTERISTICS	
CPU	2.2 GHz Octa Core Processor
OS	Android 14 or Android 16 with nGMS, Non-GMS
Memory	8 GB LPDDR4X 128 GB UFS2.2
PHYSICAL CHARACTERISTICS	
Dimensions	207 mm L x 137.5 mm W x 15 mm D
Weight	615 g

Display	8-inch 1280 x 800 pixel, IPS panel (1000 nits)
Touch Panel	Anti-glare capacitive multi-touch panel / Glove, Wet mode
Backlight	LED Backlight
Power	Rechargeable Lithium-ion Battery 3.8 V 8000 mAh
Expansion Slot	User accessible micro SD card slot (standard supports up to 512 GB)
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 3.5 mm 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: 850/900/1800/1900 MHz 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: 850/900/1800/1900 MHz 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	5 GHz: 802.11a/n/ac - up to 500 Mbps 2.4 GHz: 802.11b/g/n - up to 144 Mbps
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 (Optional)
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 °C to 60 °C / -4 °F to 140 °F
Storage Temp	-20 °C to 70 °C / -4 °F to 158 °F
Humidity	90% non-condensing
Drop Spec	1.2 m / 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	Vehicle docking station
Metal dash mount	Metal dash mount
NFC reader at docking station	NFC reader at docking station
Extra input and output at docking station	Extra input and output at docking station