

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.

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

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| 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<br>3.8 V 8000 mAh |
| Expansion Slot | User accessible micro SD card slot<br>(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)<br>1 x USB Type C 2.0 OTG<br>1 x 3.5 mm Audio Headphone Jack<br>2 x USB Type A 2.0 OTG on the cradle<br>1 x RJ45 Connector on the cradle<br>1 x Type C on the cradle for power supply<br>2 x CAN Bus on the cradle<br>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:<br>2G: 850/900/1800/1900 MHz<br>3G: B1/2/4/5/6/8/19<br>4G: B1/2/3/5/7/8/20/28AB/38/39/40/41(194MHz)<br>5G: NR:N1/3/5/7/8/20/28/38/41/77/78<br><br>NAR:<br>2G: 850/900/1800/1900 MHz<br>3G: B1/2/4/5<br>4G: B1/2/3/4/5/12/13/17/18/19/25/26/28/30/38/41/66/71<br>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<br>2.4 GHz: 802.11b/g/n - up to 144 Mbps |
| Security and Encryption | WFA WPA/WPA2 Personal, AES-CCMP,<br>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<br>MIFARE UltraLight C, MIFARE DESFire, MIFARE DESFire Ev1,<br>ISO 14443 A & B<br>ISO 15693 |
| Serial Communication | 1 x RS232, 1 x RS232/RS485 (RS232 by default) via Docking |
| SENSOR | |

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| 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<br>+/-4kVdc direct discharge<br>+/-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 |