Topicon MDT1080 Rugged Vehicle Tablet (10 inch, 5G, Android 16, IP67)
[http://www.minipc.de/catalog/il/4058]



789.00 EUR
incl. 19% VAT, plus shipping

- **10-inch rugged vehicle tablet !**
- **5G and dual-band GNSS !**
- **IP67 and MIL-STD-810H !**
- **Android 16 !**

- Android 16, MediaTek octa-core processor with 2x Cortex-A76 and 6x Cortex-A55, 8 GB LPDDR4X and 128 GB UFS 2.2
- 10-inch IPS display with 1920 x 1200 pixels, 800 nits, anti-glare surface and capacitive multi-touch for glove and wet operation
- 2G/3G/4G/5G with voice and VoLTE, dual-band GNSS, Wi-Fi 802.11ac, Bluetooth 5.0 and NFC
- User-replaceable lithium-ion battery with 3.85 V and 7600 mAh
- IP67, 1.2 m drop resistance per MIL-STD-810H and -20 °C to 60 °C operating temperature
- 18-pin docking connector for vehicle cradles with Ethernet, serial interfaces, GPIO, CAN bus and optional camera inputs

The MDT1080 is a rugged 10-inch Android tablet for vehicles, field service and fixed workstations. Its anti-glare IPS display with 1920 x 1200 pixels and 800 nits remains readable even in bright ambient light. The housing is IP67 rated and withstands drops from 1.2 m per MIL-STD-810H.

Inside are a MediaTek octa-core processor with 2x Cortex-A76 and 6x Cortex-A55, 8 GB LPDDR4X memory and 128 GB UFS 2.2 storage. Storage can be expanded by up to 512 GB via microSD card. Features include 2G to 5G mobile network with voice and VoLTE, Wi-Fi, Bluetooth 5.0, NFC, dual-band GNSS with GPS, GLONASS and Galileo on L1 and L5, and a 40 MP autofocus rear camera with flash. The 7600 mAh battery is user-replaceable. An expansion slot supports barcode scanner, LF RFID reader, RS232, LoRa and barometric altimeter modules, among others.

Depending on version and cable set, the CRD1080 vehicle cradles provide Ethernet via RJ45 or M12, 2x USB-A, USB-C for power supply, two serial ports with RS232 plus RS232 or RS485, up to 5x GPIO, up to 2x CAN bus and, on the CRD1080-CAM-FULL, four camera inputs. Vehicle power is supplied at 9 to 36 V DC. Hand strap and USB cable are included; cradle, cable set, power adapter and mount are available separately.

PERFORMANCE CHARACTERISTICS	
CPU	MediaTek platform, Octa Core Processor 2 x Cortex-A76, 6 x Cortex-A55
OS	Android 16
Memory	8 GB LPDDR4X 128 GB UFS2.2
PHYSICAL CHARACTERISTICS	
Dimensions	260 mm L x 174 mm W x 17 mm D
Weight	930 g
Display	10-inch 1920 x 1200 Anti-Glare IPS Panel (800 nits)
Touch Panel	Anti-glare capacitive multi-touch panel / Glove, Wet mode
Backlight	LED Backlight
Power	Rechargeable Lithium-ion Battery 3.85 V 7600 mAh User-replaceable
Expansion Slot	User accessible micro SD card slot Support up to 512 GB Expansion module slot
SIM	2 x Nano-SIM or 1 x Nano-SIM, 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
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 (194 MHz) 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)
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	
Scanning (Optional)	1D&2D Imagers
Camera	Rear: 40 MP Autofocus with flash
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
Video Input (Optional)	Support four channels AHD 720P, 1080P and analog camera (w/Cradle)
SENSOR	
Ambient	Light sensor
Motion	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 Cradle	CRD1080 vehicle cradle series 9 to 36 V DC vehicle power Ethernet via RJ45 or M12, 2 x USB-A, USB-C power supply Up to 5 x GPIO, up to 2 x CAN bus, 2 x serial ports CRD1080-CAM-FULL: 4 x camera input
Optional Features	Barcode scanner, LF RFID reader, RS232 module, LoRa module, barometric altimeter
Included Accessories	Hand strap, USB cable

Compatible with: Topicon CRD1080