Topicon MDT680 Rugged Android Handheld (5.7 inch, 5G, IP67)
[http://www.minipc.de/catalog/il/4052]



529.00 EUR
incl. 19% VAT, plus shipping

- **Rugged 5G Android handheld !**
- **IP67 and MIL-STD-810H !**
- **5.7-inch glove-touch display !**
- **Optional 1D/2D barcode scanner !**

- Preinstalled Android 14 with GMS or without GMS
- MediaTek MT6835 octa-core processor at 2.2 GHz, 4 GB LPDDR4X and 128 GB UFS 2.2
- 5.7-inch IPS display with 720 x 1440 pixels and capacitive multi-touch for glove, wet and stylus operation
- 2G/3G/4G/5G with voice, Wi-Fi, Bluetooth 5.0, NFC and dual-band GNSS
- Lithium-ion battery with 3.7 V and 4600 mAh
- IP67, 1.2 m drop resistance per MIL-STD-810H and -20 °C to 60 °C operating temperature

The MDT680 is a rugged 5.7-inch Android handheld for mobile data capture, logistics, transportation and field service. It combines a MediaTek MT6835 octa-core processor, 4 GB LPDDR4X memory, 128 GB UFS 2.2 storage, and 2G, 3G, 4G and 5G cellular connectivity with Wi-Fi, Bluetooth and dual-band GNSS in a durable industrial housing.

With its 720 x 1440 IPS display, Android 14, IP67 protection, 4600 mAh battery and docking concept, the MDT680 is suitable for data capture, communication and navigation in everyday work. NFC, a 40 MP autofocus rear camera with flash, an 8 MP front camera, sensors and an optional MOD-680-BAR 1D/2D barcode scanner module further extend the application range. Vehicle and motorcycle docking stations as well as charging accessories support integration into mobile workflows.

With a vehicle cradle, the MDT680 becomes a fixed in-vehicle terminal: the CRD680-REG provides 9 to 36 V DC, ignition input, 2x CAN bus, 2x RS232, 3x GPIO, 2x USB-A and Ethernet via M12. The CRD665-REG provides 9 to 36 V DC, ignition input and 1x RS232. A USB cable is included; cradle, power adapter and mount are available separately. Topicon's MDM server supports, among other functions, firmware updates, kiosk mode, boot animation, APK installation, APN configuration, default settings and customized button mapping.

PERFORMANCE CHARACTERISTICS	
CPU	MediaTek MT6835 platform, 2.2 GHz Octa Core Processor
OS	Android 14 with GMS or without GMS
Memory	4 GB LPDDR4X 128 GB UFS2.2
PHYSICAL CHARACTERISTICS	
Dimensions	161.5 mm L x 77.5 mm W x 18.9 mm D
Weight	280 g
Display	5.7-inch, IPS panel (720 x 1440 pixel)
Touch Panel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED Backlight
Power	Lithium-ion Battery 3.7 V 4600 mAh
Expansion Slot	MicroSD (TF) card slot
SIM	1x Nano-SIM + eSIM
Interface	Docking Connector (18-pin) 1x USB Type C 2.0 OTG on the device 2x USB Type A 2.0 OTG on the cradle 1x M12 connector (Ethernet) on the cradle 2x CAN Bus on the cradle 3x GPIO (3x Input) on the device
Notification	Audible tone
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
DATA CAPTURE	
Scanning (Optional)	1D&2D Imager (MOD-680-BAR)
Camera	Rear: 40MP Autofocus with flash Front: 8MP Fixed Focus
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	RS232/RS485 (default with docking station is RS232)
SENSOR	
Ambient	Ambient Light Sensor, Proximity Sensor
Motion	3-axis Accelerometer, 3-axis Gyroscope, E-Compass (Magnetometer)
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
OPTIONAL ACCESSORIES	
Vehicle docking station	Vehicle docking station
Motorcycle docking station	Motorcycle docking station
OPTIONAL FEATURES	
FM broadcasting	FM broadcasting
Fingerprint	Fingerprint