

# GEOMATE

Premium Surveying. Trusted Solutions



# GEOMATE MateTablet

RUGGED FIELD CONTROLLER



## GEOMATE MateTablet

GeoMate MateTablet is a professional Android field data controller with a wide 8.1-inch HD display, integrated Wi-Fi, Bluetooth, NFC and 4G modules for seamless connection to GNSS receivers. The MateTablet comes with a pre-installed MateSurvey professional field surveying App, a versatile software to perform all surveying and mapping tasks efficiently and intuitively. Its HD touch screen delivers a clear and vivid view of project data and background maps, even in bright sunlight. Powered by a powerful 8-core 2.0 GHz Qualcomm processor with 8 GB RAM and 256 GB ROM, the MateTablet handles large data files in no time. The 10-hour battery life ensures uninterrupted field operation for the field crew throughout the day.

## TECHNICAL SPECIFICATIONS

System		Communication	
OS	Android 12 GMS certified	SIM card type	Dual Nano-SIM card
CPU	Advanced 2.0GHz octa-core, Qualcomm Processor	Network modem	Integrated 4G modem: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28AB LTE TDD: B34/B38/B39/B40/B41 3G: WCDMA: B1/B2/B4/B5/B8 TDSCDMA: B34/B39 CDMA EVDO: BC0 2G: GSM: 850/900/1800/1900
RAM	8 GB	Wi-Fi	Support IEEE802.11 a/b/g/n/ac protocols (2.4G/5G dual-frequency), IPV4, IPV6
ROM	256 GB SSD	Bluetooth®	Bluetooth™ 5.1
External storage	Micro SD card, up to 512GB	USB	1 x USB Type-C port OTG (external power, data download)
Hardware		NFC	Protocol standard ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
mmSize (L x W x H)	215 mm x 130 mm x 14.5 (8.5 in x 5.1 in x 0.6 in)	Electrical	
Weight	550 g (19.4 oz)	Li-ion battery capacity	9,000 mAh
Environment	Operating: -20°C to +60°C (-4°F to + 140°F) Storage: -40°C to +70°C (-40°F to + 158°F)	Operating time on internal battery <sup>(1)</sup>	10h (Typical for continuous operation at 600nits brightness)
Ingress protection	IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m	Charging	4.0 h Fast charging: QC 3.0
Shock	Survive a 1.2-meter pole drop	Certifications	
Display	8.1" HD + Sunlight readable	MIL- STD 810H	
Display resolution	1920 x 1200 pixels		
Display touch	Support stylus, gloves and wet hand operation		
Camera	16 MP rear camera with auto-focus flashlight 8 MP front camera		
Speaker	High volume external speaker		
Sensors	Acceleration sensor, 3-axis gyroscope, under-screen ambient light sensor, distance sensor, electronic compass		
Screen	Brightness up to 600 nits		
Key board	Soft QWERTY		
GNSS Accuracies			
Channel	45		
Constellation	GPS L1, GLONASS L1, BDS L1, GLE E1 SBAS		
Autonomous	2 - 5 m		
SBAS	1 - 3 m		



\*All specifications are subject to change without notice.(1) Accuracy and reliability are determined under clear unobstructed conditions, multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices.  
(1) Battery life is subject to operating temperature.