

GEOMATE

Premium Surveying. Trusted Solutions



GEOMATE MateTablet

RUGGED FIELD CONTROLLER



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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 6 GB RAM and 128 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	
OS	Android 12
CPU	Advanced 2.0GHz octa-core
RAM	6 G
ROM	128 GB
External storage	TF card, up to 256GB
Hardware	
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)
Weight	550 g (19.4 oz)
Environment	Operating: -20°C to +60°C (-4°F to +140°F) Storage: -40°C to +70°C (-40°F to +158°F)
Ingress protection	IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m
Shock	Survive a 1.2-meter pole drop
Display	8.1" HD+
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
GNSS Accuracies	
Channel	45
Constellation	GPS L1, GLONASS L1, BDS L1, SBAS
Autonomous	2 - 5 m
SBAS	1 - 3 m

Communication	
SIM card type	Nano-SIM card
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
Wi-Fi	Support IEEE802.11 a/b/g/n/ac protocols (2.4G/5G dual-frequency), IPV4, IPV6
Bluetooth®	BT5.1
USB	1 x USB Type-C port (external power, data download)
NFC	Protocol standard ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Electrical	
Li-ion battery capacity	9,000 mAh
Operating time on internal battery ⁽¹⁾	10h (Typical for continuous operation at 600nits brightness)
Charging	Default 5 V/2 A, support quick charge
Certifications	
MIL-STD 810H	



*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. (2) Battery life is subject to operating temperature.