

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 8.0-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 1.8 GHz Qualcomm SDM 632 processor with 4 GB RAM and 64 GB ROM, the MateTablet handles large data files in no time. The 12-hour battery life ensures uninterrupted field operation for the field crew throughout the day.

TECHNICAL SPECIFICATIONS

System

OS	Android 10
CPU	Qualcomm SDM632, 1.8GHz octa-core
RAM	4 G
ROM	64 GB
External storage	TF card, up to 128GB

Hardware

Size (L x W x H)	235 mm x 146 mm x 13 mm (9.3 in x 5.7 in x 0.5 in)
Weight	560 g (19.8 oz)
Environment	Operating: -20°C to +60°C (-4°F to +140°F) Storage: -30°C to +70°C (-22°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	8.0" 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 5 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 500 nits

GNSS Accuracies

Channel	72
Constellation	GPS L1, GLONASS L1, BDS L1, SBAS
Autonomous	3 - 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/d/e/h/i/k/r/v/w protocols (2.4G/5G dual-frequency), IPV4, IPV6
Bluetooth®	BT4.1
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	Removeble battery 8,000 mAh
Operating time on internal battery ⁽¹⁾	12h (Typical for continuous operation at 500nits 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.