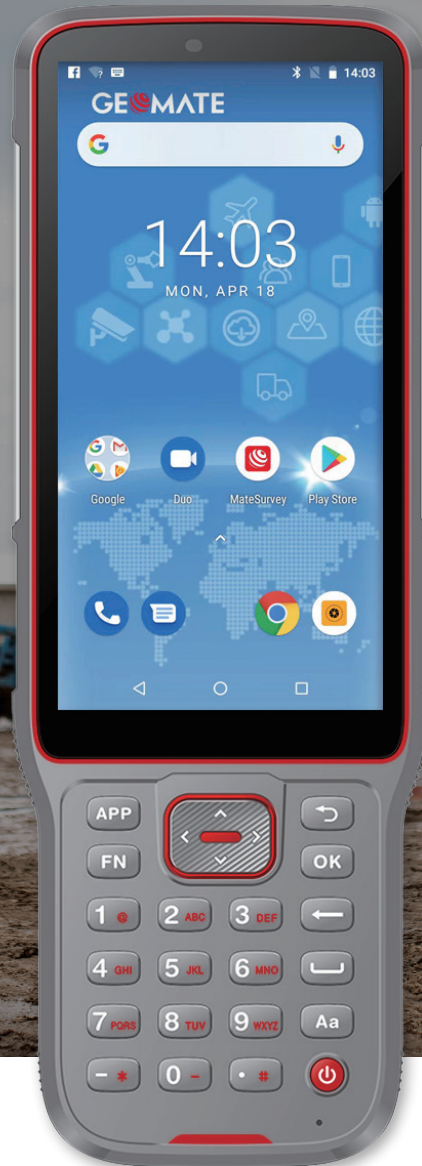


GEOMATE

Premium Surveying. Trusted Solutions



GEOMATE FC2

RUGGED FIELD CONTROLLER



GEOMATE FC2

GeoMate FC2 is a professional Android field data controller with a wide 5.5-inch HD display, integrated Wi-Fi, Bluetooth, NFC and 4G modules for seamless connection to GNSS receivers. The FC2 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 Helio MTK 6762 processor with 4 GB RAM and 64 GB ROM, the FC2 handles large data files in no time. The 14-hour battery life ensures uninterrupted field operation for the field crew throughout the day.

TECHNICAL SPECIFICATIONS

GNSS

Signal tracking	GPS GLONASS AGPS
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System

OS	Android 8 (Future upgrade to Android 10)
CPU	Helio MTK6762, 2.0GHz octa-core
RAM	4 G
ROM	64 GB
External storage	TF card, up to 128GB

Hardware

Size (L x W x H)	225 mm x 80 mm x 17 mm (8.86 in x 3.15 in x 0.67 in)
Weight	383 g (0.84 lb)
Environment	Operating: -30°C to +60°C (-22°F to +140°F) Storage: -40°C to +70°C (-40°F to +185°F)
Ingress protection	IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m
Shock	Survive a 1.5-meter pole drop
Display	5.5" HD+
Display resolution	1440 x 720 pixels
Display touch	Support stylus, gloves and wet hand operation
Keypad	Alphanumeric keyboard
Camera	13 MP rear camera with auto-focus flashlight
Speaker	High volume external speaker
Sensors	Acceleration sensor, 3-axis gyroscope, under-screen ambient light sensor, distance sensor, electronic compass

Communication

SIM card type	Nano-SIM card
Network modem	Integrated 4G modem: FDD-LTE: B1,B3,B7,B8,B20,B28,B38,B40 WCDMA: B1,B8 GSM: 900,1800
Wi-Fi	Support 802.11 b/g/n/ac
Bluetooth®	BT5.0 + BR/EDR + BLE
USB	1 x USB Type-C port (external power, data download)
NFC	Protocol standard

Electrical

Li-ion battery capacity	Built-in battery 6,600m Ah
Operating time on internal battery ⁽¹⁾	14h (Typical for continuous operation at 500nits brightness) ; 20h+ standby mode
Charging	Default 5 V/2 A, support quick charge

Certifications

CE Mark; FCC Part 15 Subpart B Class B; MIL-STD 810H; ROHS



*All specifications are subject to change without notice.
(1) Battery life is subject to operating temperature.