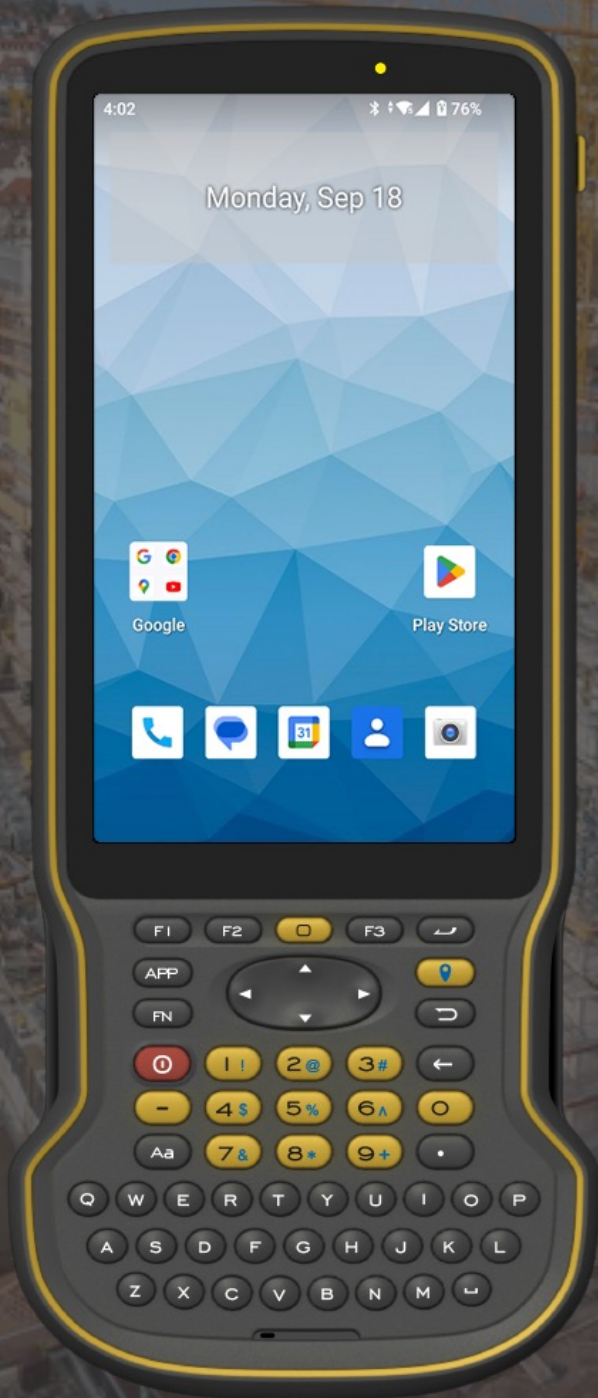


Meridian

D5 pro

Rugged RTK data controller



RTK handheld terminal,
unrestricted, efficient
measurement

Geographic
information

Comprehensive Data Collection Terminal with Full Protection

The D5pro series handheld terminal is the ultimate solution for enhancing efficiency and productivity in mobile field operations. With centimeter to decimeter-level positioning accuracy, it is an extremely portable, durable, and versatile device, ideal for precision GIS data collection, power line inspections, construction site development, environmental research, landscaping, and various other applications.

Equipped with a 5.5-inch sunlight-readable display, users can easily view GIS data tables, complex vector and raster maps, and high-resolution images even in bright sunlight and high-light conditions. Its industrial design, compliant with the IP68 standard, ensures reliable performance in extreme and challenging environments, making it the preferred choice for field professionals, particularly those with demanding equipment requirements.

The D5 series integrates precision GNSS positioning technology and long-range RFID technology, empowering efficient data collection for both individual operators and large field teams.

The Meridian brand is committed to becoming a global leader in durable mobile intelligent terminal providers.



Leading Industry Data Collection Terminal

Powered by Android 12 OS with GMS Certification

The D5 is equipped with the Qualcomm 662 processor, designed with an 11nm fabrication process, providing powerful performance for smooth CAD drawing management and base map display, greatly enhancing productivity. Dual-band Wi-Fi and 4G support ensure stable and reliable internet connectivity, while the physical USB 3.0 interface allows for faster data transfer, enabling instant uploads of large project files. The 5.5-inch 1080P resolution industrial display with 500 nits brightness enhances outdoor data collection visibility even in sunlight.

Designed for complex mobile office scenarios,

Innovative keypad design aimed at providing an exceptional user experience.

The D5 features a popular slim and lightweight design, yet it comes equipped with a high-capacity 9000mAh battery, weighing just a light 420 grams. Additionally, we've incorporated a scratch-resistant and durable Corning glass screen and designed it with IP68 waterproofing to ensure outstanding protection for your data terminal in harsh environments.

The brand-new British-style keyboard design has been optimized, allowing for fast data input without changing user habits. Moreover, without increasing the device's size, we've thoughtfully reserved multiple shortcut buttons to assist you in swiftly completing various operations in industry applications. The large-capacity battery design ensures uninterrupted data collection tasks, making the D5 an efficient handheld terminal for measurement and mapping applications.



Fast and Accurate High Precision

Interference-resistant antenna, worry-free operation in complex environments

Enjoy centimeter-level positioning services anytime, anywhere with a full constellation and full frequency point matching, coupled with a four-wall helical antenna. Eliminate cumbersome installations, easily portable, and make outdoor measurements more effortless.



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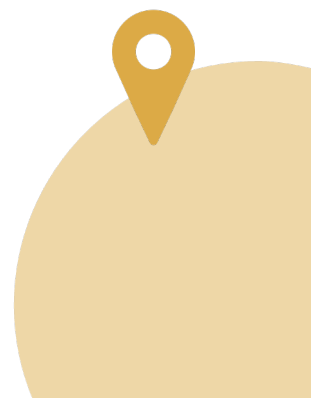


GNSS helical
antenna

Back-mounted
integrated
Unicorecomm
UM980 RTK
module.

Laser point positioning.

**Specialist in Rugged
Product Solutions**



SPECIFICATIONS

System	
Operating system	Android 12 <small>GMS support</small>
CPU	Qualcomm SDM 662 octa-core 2.0 GHz
RAM	4 GB SDRAM
Flash memory	64 GB
Memory card	MicroSDHC up to 128 GB

Physical	
Size (L × W × H)	228 mm × 96 mm × 21 mm
Weight	420 g (14.42 oz) with battery
Environment	Operating: -20°C to +65 °C (-4°F to +149°F) Storage: -30°C to +70°C (-22°F to +158°F)
Dust and water proof	IP68
Humidity	5% ~ 95% (non-condensing)
Shock and vibration	1.2 m (4 ft) fall on concrete
Display	5.5" IPS LTPS LCD capacitive multi-touch 1920 × 1080 pixels HD+ 401 ppi Brightness 500 nit
Keypad	QWERT KEY

GNSS Accuracies ^{(1) (2)}	
Channel	1408
Constellation	BDS: B1I, B2I, B3I, B1C, B2a, B2b GPS: L1C/A, L1C, L2P (Y), L2C, L5 GLONASS: L1, L2 Galileo: E1, E5a, E5b, E6* QZSS: L1, L2, L5, L6* SBAS*: L1, L5
RTK	2 cm HRMS
SBAS	< 1 m HRMS

Communications	
SIM Card Type	Nano-SIM card
Network modem	GSM: 850/900/1800/1900 WCDMA: B1/B2/B4/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12 /B13/B17/B20/B25/B26/B28

Wi-Fi	802.11 a/b/g/n/ac access point mode (2.4 G / 5G)
Bluetooth®	V 5.0
USB	Type C, OTG supported
NFC	Support

Electrical	
Li-ion battery capacity	9000 mAh
Operating time ⁽¹⁾	22 h
Charging time	4 h (typical)

Sensors and Multimedia	
13 MP rear camera with auto-focus and flash GNSS (BDS, GPS, GLONASS) A-GPS support G-sensor Gyroscope E-compass Light sensor Speaker Microphone	

Standard Accessories	
A/C charger USB cable Stylus Handstrap	

Field Software

Certifications

CE, FCC



*All specifications are subject to change without notice.
(1) Operating time varies based on temperature.

