

Field Controller



Versatility

- GNSS raw data logging
- Cloud connected by WiFi or cellular connection
- Connect to all instruments by Bluetooth®, WIFI or RS232

Fully equipped

- Site documentation with onboard camera
- Geo-Tagged data by internal GNSS receiver
- Customisable keys for quick access

Ruggedness

- Glove-proof keypad design
- Withstands military standards
- Crystal clear display

Zenius5 W

The Zenius5 W is a versatile handheld fully packed with everything needed to do the job. If you are looking for flexibility in software and versatility in handling connections to hardware in the field or in the office, this unit is for you.



USER INTERFACE

Display	Full VGA sunlight readable TFT with a 480 x 640 resolution
Keypad	Glove proof alphanumeric keypad Dual customisable shortcut keys
OS	Full blown Windows embedded handheld 6.5 Professional

OFFICE / CLOUD COMMUNICATION

WLAN	802.11 a/b/n
Cellular	3.75G cellular modem
Five Band UMTS/HSPA + (WCDMA/FDD)	850/800,900, 1900 and 2100 MHz
Quad-Band GSM	850/900/1800/1900 MHz
USB	High speed USB-OTG port

STORAGE

Internal	512 MB program memory; 8 GB storage capacity
Micro SD	SDHC supported Micro SD card slot
USB OTG	Mass-Storage device support

SYSTEM

Processor	TI Sitara™ AM335x running at 1 GHz
Battery power	Removable Li-Ion smart battery; 3400 mAh 7.2V 24.48 Wh
Operating time	Up to 10 hours

Fully featured, full flexibility

This rugged field ready Windows Mobile® handheld is built to meet GeoMax requirements for power, functionality and reliability, ensuring they always "work when you do". The onboard 5MP camera helps with daily documentation tasks by taking photos and storing them as notes.



INSTRUMENT COMMUNICATION

Bluetooth®	Class 2 Bluetooth® 2.1 EDR
RS232	Industrial standard DB9

DOCUMENTATION

Camera	Auto focus 5 MegaPixel Dedicated camera key
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NAVIGATION

GNSS module	72 channel uBlox module with raw data output capabilities
Solutions	GPS/QZSS L1 C/A, GLONASS L10F, BeiDou B1, Galileo E1B/C; SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
Update rate	1 Hz
Accuracy	2.5 m CEP (Auto.) / 2.0 m CEP (SBAS)
Startup	Cold: 30 sec. / Hot: 1 sec

PHYSICAL

Dimensions	192*93*42 mm
Weight	575 g (Including Battery)
Operating temp.	-30°C to +60°C
Protection class	IP65 dust and waterproof
Humidity	5 to 95% non-condensing
Vibration	Random: MIL-STD-810G, Method 514.6E-I; Sinusoidal: ASAE EP455 Section 5.15.1
Shock	Withstands 1.2 m drop on hard surface



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