

Versatile Field Controller Zenius5 W



Versatility

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



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

Fully featured, full flexibility

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.

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.



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 |

Instrument Communication

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

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

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

System

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



Navigation

| | |
|-------------|--|
| GNSS module | 72 channel uBlox module with raw data output capabilities |
| Solutions | GPS/QZSS L1 C/A, GLONASS I10F, 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: 30sec. / Hot: 1sec |

Documentation

| | |
|--------|--|
| Camera | Auto focus 5MP Dedicated camera key |
|--------|--|

Physical

| | |
|------------------|--|
| Dimensions | 192*93*42mm |
| Weight | 575g (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 1.2m drop on hard surface |



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Works when you do