Leica Zeno 5
GPS Handheld
Datasheet

Zeno

Power for the field without compromises

The Zeno 5 packs full functionality into an ergonomic device – making it the industry's most powerful, and rugged GPS handheld with full phone functionality. The Zeno 5 features a high-speed processor, delivering uncompromised performance, fully integrated into the Leica Zeno GIS series.

- Integrated 3.2 Megapixel camera, and hot-swappable all-day Li-Ion battery
- High-sensitivity GPS receiver supporting 2 – 5 m positional accuracy

Optimal viewing experience and ergonomics

The Zeno 5 is equipped with a 3.7" VGA colour transflective touchscreen that can be operated by finger or stylus. The display has been designed for optimal viewing, to be sunlight readable and backlit for darker conditions.

- Pocket-size, lightweight and rugged (IP54), designed for one-handed operation
- Windows® Embedded Handheld 6.5 OS allowing simple and intuitive use

Latest technology to support your field work

The Zeno 5 includes the latest wireless communication technology, light sensors, accelero-meter, gyroscope, digital compass, Wi-Fi and GPS, allowing GPS-supported mapping applications with direct access to the office.

- High-speed communication standards (GSM/UMTS/CDMA, Wi-Fi and Bluetooth®)
- Automated screen rotation, to quickly view a map or document in landscape mode

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- when it has to be **right**

Leica Geosystems

Leica Zeno 5

Technology

Processor	Industrial TI AM3715 Sitara microprocessor (ARM Cortex A8) @ 800 MHz
Memory & Storage	• On-board RAM: 256 MB SDRAM • On-board ROM: 2 GB Flash • MicroSD memory expansion slot
Operating System	Microsoft Windows® Embedded Handheld 6.5.3
Screen	3.7" VGA (480 x 640) portrait mode • Sunlight readable with integrated touch screen (passive stylus or finger operation)
Keyboard & Buttons	• Power key • Navigation key (Left, Right, Up, Down) • Home key • 2 x Windows Menu keys • 4 x programmable keys • Call and hang-up key • QWERTY keypad, fully illuminated and ergonomically enhanced for one-hand operation; virtual keyboard
I/O	• USB and DC Input (via SnapOn module) • Docking Connector (Contact Pin Type)

Communication

Integrated communication modules	• On-board IEEE 802.11a/b/g/n (CCX V4 Certified) radio:
	  – Security: 802.1X, WPA / WPA2-Enterprise
	  – Authentication: FAST-MSCHAPv2; LEAP; PEAPv0-MSCHAPv2; PEAPv1-GTC; TLS
	  – Encryption: 64/128 WEP, AES-CCMP, TKIP
	• Bluetooth® v2.0 + EDR radio
	• UMTS 3.8G HSPA+ radio
	  – Five Band UMTS: 800/850, AWS, 1900, 2100 MHz
	  – Quad-Band GSM: 850, 900, 1800, 1900 MHz
	• CDMA EVDO Rev A radio
	  – Dual Band: 800/1900 MHz
	• Integrated 5 band Antenna, supports both voice and data

Audio & Voice	• Built-in 85db mono speaker and Microphone • Supports VoIP, speech recognition, & Push-to-Talk applications • Wireless Bluetooth® headset support • Front and rear speakers
Integrated GPS	EGNOS ENABLED • SirfStarIV GPS with SiRFInstantFix and A-GPS support (48 channel) and active jammer removal • GPS Real-Time Accuracy: 2 – 5 m / SBAS (WAAS, EGNOS, MSAS, GAGAN)[1]: 1 – 3 m
Integrated Camera	3.2 Megapixel Colour with Auto Focus and Dual LED Flash

Standard Software

Standard Software	Windows® Office Mobile 2010, incl. Word, Excel, PowerPoint, OneNote & SharePoint, Internet Explorer Mobile, Windows Office Outlook Mobile, Windows Media Player Mobile, Device Management Software

Power Management

Batteries	Hot-swappable 3600 mAh Li-ion rechargeable battery (System backup during battery swap)
Power	Input: 100 – 240 VAC, 50 – 60 Hz, 5 VDC Output
Operating Time	10 h[2]
Battery Charging Time	2.5 h

Physical Specifications

Size	158 mm x 78 mm x 38 mm (6.2" x 3.1" x 1.5")
Weight	375 gr (0.82 lbs), including all-day battery, stylus and handstrap
Sand, Dust & Water	IP54, IEC 529
Operating temperature range	–10°C to +50°C (14°F to 122°F)
Storage temperature range	–20°C to +65°C (–4°F to 140°F)
Humidity	5% to 95% RH non-condensing
Drop	1.5 m (5 ft) – 26 drops on each edge, corner, and face to polished concrete

Accessories and Emhanced Features

Enhanced Features	• Accelerometer • Digital Compass • Gyroscope • Light Sensor • Proximity Sensor
Accessories	• Spare 3.6 Ah Li-ion rechargeable battery • Docking Station, including a Micro USB port & cable, and a spare battery charger with simultaneously capability to charge the device and spare battery • Car charger (10 – 30 V) • Hand Strap • Stylus & Tether • AC adaptor • USB SnapOn module • Pouch • Pole Mount to attach the Zeno 5 on a GNSS pole
Optional Software	• Leica Zeno Field • Leica Zeno Connect
Optional GNSS Sensors	• Leica Zeno GG02 plus SmartAntenna

[1] WAAS available in North America only, EGNOS available in Europe only; GAGAN available in Indian Subcontinent only; MSAS available in Japan only

[2] In continuous field operation mode, may vary with temperature, battery age etc.

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