Leica Zeno 5
GPS Handheld Datasheet

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, accelerometer, 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

- when it has to be right
## Leica Zeno 5

### Technology

**Processor**
- Industrial TM 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

### Communication

**Integrated communication modules**
- On-board IEEE 802.11a/b/g/n (CCX V4 Certified) radio:
  - Security: 802.1X, WPA / WPA2-Enterprise
  - Authentication: FAST-802.1X, PEAPv0-802.1X, EAP-FAST, EAP-TTLS, PEAPv1-GTC, TLS
  - Encryption: AES-CCMP, TKIP

- Bluetooth® v2.0 + EDR radio

- UMTS 3G HSPA+ radio:
  - Quad-Band: 800/850, 900, 1800, 2100 MHz
  - COMA EDGE Rev B 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

**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)\(^1\)

**Integrated Camera**
- 3.2 Megapixel Colour with Auto Focus and Dual LED Flash

### Standard 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 Enhanced 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 change 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

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1 WAAS available in North America only, EGNOS available in Europe only; CAGAN 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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Total Quality Management – when it has to be right.

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