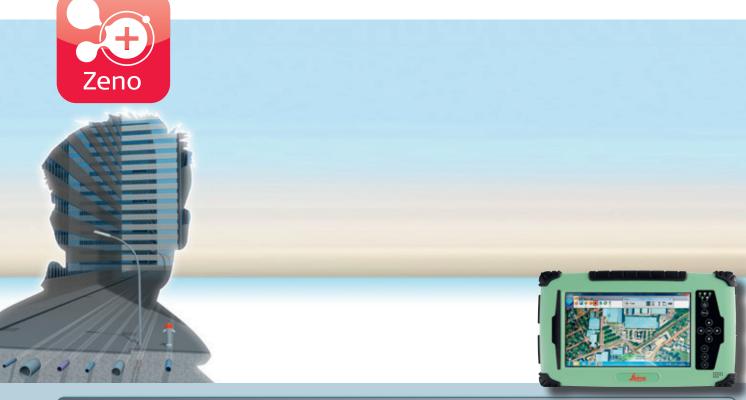# Leica CS25 plus
Ultra-rugged tablet computer Datasheet

Zeno

State of the art technology

The Leica CS25 plus is equipped with state of the art technology, running a Windows® 7 Ultimate OS allows you to trade in your desktop PC for a rugged tablet, having it with you wherever your work is.

- 17.8 cm/7 inch sunlight readable touchscreen
- New 128 GB SSD hard drive, eliminating internal moving parts
- Integrated GPS, 3.75G modem, WiFi
- Ultra-rugged design, with All-day-batteries, easily hot-swappable

Improvements in the CS25 plus

- New Dual-Core processor @ 1.6GHz
- Camera upgrade to 5 MP with autofocus
- Doubled RAM size (4 GB) and disk space (128 GB)
- New LAN Gigabit Ethernet

- Improved integrated GPS antenna for better positioning
- New SD Card expansion slot (supports SDXC) to extent the existing 128 GB SSD flash storage up to additional 2 TB
- Improved 3G Antenna performance with two integrated GSM antennas

Designed for versatility

Integrate your Leica tablet computer into the Leica family of mobile solutions. Choose the field software, GNSS accuracy and the setup (pole or backpack) to suit your workflow and budget.

- Ready-to-use with Leica Zeno Field, Zeno Connect and Leica MobileMatriX
- Ready-to-use with the Leica GNSS SmartAntenna – the Leica Zeno GG03
- Use Leica Zeno Connect to embed custom applications into Leica CS25 and Leica Zeno GG03
- Same accessories as for the Leica CS25

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Technical Specifications

Leica CS25 plus

Technology

Processor & Memory	Intel Ultra Low Power N2600 1.6 GHz Dual Core processor with 4 GB DDR3 RAM
Data Storage	– 128 GB SSD solid state hard drive – Secure Digital™ (microSD) Card and MultiMediaCard™ (MMC) slot (support SD specifications v1.0/v1.1/v2.0/SDHC (up to 32 GB); compatible with SDXC (up to 2 TB); support MMC specification v3.x/v4.0/v4.1/v4.2)
Operating System	Microsoft Windows 7 Ultimate
Screen	7" widescreen 1024x600 resolution TFT LCD MaxView™ sunlight readable resistive touchscreen display
Keyboard & Buttons	• Power key • Menu key (controls brightness, volume, battery status, WiFi& BT On/Off, and 3G On/Off) • 4+1 Navigation keys (Left, Right, Up, Down, OK for Enter) • 3x user programmable hotkey buttons that control up to 6 functions • On-screen QWERTY soft keyboard
Security	Trusted Platform Module (TPM) chip
I/O	• 2 x USB 2.0 port (one fully waterproof, even when the latch is open) • 1 x 9-pin serial RS-232 port (fully waterproof, even when the latch is open) • 1 x LAN (Gigabit ethernet) • 1 x DC power port • Docking connector (contact pin type) • 1 x SDXC card slot: capacity up to 2 TB • 1 x 4 pin docking • Audio out • 1 x Microphone • Audio integrated (one speaker) • Fully Gobi™ 3000 PCIe module-ready

Communication

Integrated communication modules	Wireless LAN 802.11 b/g/n PAN: integrated Bluetooth® v.2.0 + EDR compliant WWAN Gobi™ 3000, supporting the following RF bands: • HSDPA/UMTS 800/850/900/1900/2100 MHz • Quad-band EDGE/GPRS/GSM – 850/900/1800/1900 MHz • Dual-band EV-DO – 800/1900 MHz 2 integrated 3.5G antenna (Main & Diversity)
Integrated GPS	Integrated uBlox GPS (50 channels), WAAS/EGNOS capable[1], GPS real-time accuracy (WAAS, EGNOS)[2]: 2 – 5 m
Integrated Camera	5 Megapixel camera with Autofocus + LED light
Standard Software	• AirCard Watcher • uCenter for configuration and control of the uBlox GPS • Internet Explorer

Power Management

Batteries	Dual hot-swappable Li-Polymer battery pack, 5200 mAh each
Power	Input: 120–240 VAC, 50–60 Hz, 12 VDC output
Operating & Storage Time	8 h[3] / Battery shelf-life while in "off": > 90 day discharge

Physical Specifications

Size	144 mm (5.56") x 242 mm (9.5") x 40 mm (1.57")
Weight	1.3 kg (2.9 lbs) including all-day batteries
Sand & Dust	IP65, MIL-STD-810G
Water	IP65, MIL-STD-810G
Altitude	4572 m (15.000 ft) at 5 °C (73 °F)
Operating temperature range	–33 °C to 63 °C (–27 °F to 145 °F), MIL-STD-810G, Method 501.4 Procedure II, MIL-STD 810G, Method 502.4, Procedure I, II, III
Storage temperature range	–40 °C to 70 °C (–40 °F to 158 °F) MIL-STD-810G, Method 501.4 Procedure II, MIL-STD 810G, Method 502.4, Procedure I, II, III
Humidity	MIL-STD-810G, Method 507.4, 90% RH temp cycle 0 °C/70 °C
Drop	MIL-STD-810G 4ft drop, free to concrete (26 drops from 1.22 m (4 ft) MIL-STD-810G, Method 516.5, Procedure IV)
Vibration	MIL-STD-810G, Method 514.5 Procedures I & II, General minimum integrity and the more rigorous loose cargo test

Accessories and Optional Features

Accessories	External battery charger, backpack kit, hard carry case, 12V vehicle charger, pole mount solution, anti-glare screen protectors, additional 5200 mAh battery
Optional Field and Office Software	Leica Zeno Field, Leica MobileMatriX, Leica Zeno Connect, Leica Zeno Office and Leica Zeno Office on ArcGIS
Optional GNSS Sensors	Leica Zeno GG03

[1] WAAS available in North America only, EGNOS available in Europe only
[2] May vary due to atmospheric conditions, multipath, obstructions, signal geometry and number of tracked satellites.
[3] In continuous field operation mode, may vary with temperature, battery age etc.

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