

Company: **CASIO Europe GmbH**, Casio-Platz 1, 22848 Norderstedt, Germany
Contact: Thomas Uppenkamp, Dept. of Mobile Industrial Solutions, +49 40 52865 407
PR agency: ProOrga GmbH, Frank Kürten, +49 (0) 2161 88060, fk@pro-orga-gmbh.de
File: **Casio PR - Handheld IT-G500 WEC7 - EN.doc**



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Mobile data capture / mobile computing:

Power from two cores

Casio has expanded the IT-G500 product series by adding two new models equipped with Windows® Embedded Compact 7 to provide optimum support for memory-hungry, power-intensive applications. With WEC7 you can benefit the full power of the dual-core processor and effectively utilise the total physical RAM. The excellent 4.3" display with multi-contact touch screen and the enhanced read performance for identification codes guarantee the highest level of performance.

With the IT-G500 all-in-one handheld device, presented at the beginning of 2015, Casio offers powerful hardware with optimum user-friendliness in an extremely robust and compact housing. In addition to the seven models equipped with Windows® Embedded Handheld 6.5, there are two more units featuring Compact 7. "Thanks to the multi-processor support and higher storage limits, the real-time operating system can make full use of the hardware that our Japanese development team has built into the IT-G500. This hardware allows application programmers to develop visually attractive applications with intuitive user guidance", explains Thomas Uppenkamp, Head of the Mobile Industrial Solutions division at Casio Europe in Norderstedt, Germany. "The combination of innovative hardware and proven operating systems means that the device represents a secure investment over many years and is suitable for a great number of demanding applications."

The Casio IT-G500 is extremely robust, comfortably ergonomic and just as powerful as its versatile functionality. It is extremely resistant to external influences as well as water and dust (IP67), can cope with temperature fluctuations (-20°C to +50°C) and can withstand being dropped onto concrete from a height of 1.5 m. Thanks to the additional bumper, the handheld is even more robust. Weighing around 270 grams, the device is easy to hold and can be operated like a smartphone via the large 4.3" touchscreen with a 480 x 800-pixel resolution.

Product information



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The IT-G500 handheld terminal is available either with a laser scanner for barcodes or with a CMOS imager for all common 1D and 2D codes. Scanning takes place on a 25° downwards diagonal, which ensures that the scanning process is extremely quick and intuitive, as the display can be read while scanning is in progress. Confirmation of successful scanning via a vibration function further contributes to increasing efficiency in noisy environments.

Integrated band-pass filters are a significant new addition when it comes to working areas equipped with modern LED lighting. These filters prevent interference caused by the high-frequency flickering of LED lamps. Combined with optimised decoder algorithms and an enhanced stabilisation process, the integrated band-pass filters ensure a higher level of read performance in challenging environments.

In addition to the versions equipped with optical reading modules, several models of the IT-G500 are available with an integrated NFC/RFID module. You can read and record all common tags at high speed. Common protocols in the field of contactless smart cards and near field communication (NFC) are supported. A digital camera (5 MP) is integrated into the rear of the device. This camera features a high sensitivity level, auto focus and LED flash for reliable photographic documentation, even under poor lighting conditions. The current location can be easily determined and processed using the position coordinates of the integrated GPS.

The Casio IT-G500 handheld is extremely powerful, with a 1.5 GHz ARM® Cortex® A9 Dual Core Processor, 1GB RAM and 4 GB F-ROM. Microsoft® Windows® Embedded Compact 7 or Embedded Handheld 6.5 enables use in demanding applications. For fast data communication, Bluetooth™, WLAN (IEEE 802.11 a/b/g/n), 3G WAN (HSPA, UMTS) and a USB interface are integrated into the IT-G500 along with a SIM card slot and a MicroSD slot. Depending on the model, the built-in microphone and speaker allow you to make voice calls as well as record voice memos.

For more information about the CASIO IT-G500, please contact

CASIO Europe GmbH

Casio-Platz 1 - 22848 Norderstedt, Germany

Tel.: +49 (0) 40 52865 407 - Fax: +49 (0) 40 52865 424

Email solutions@casio.de - www.casio-solutions.de

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Note for editorial staff:

Photos in this Word document are scaled-down and compacted preview images. Images for further processing (with 300 dpi resolution) are attached as separate JPEG files and are available online at www.redaktionsserver.de.



Image 01

Casio IT-G500: The all-in-one high-spec handheld

(Image: CASIO Europe, Norderstedt, Germany)

The combination of innovative hardware and the proven Microsoft® Windows® Embedded Compact 7 or Embedded Handheld 6.5 operating system represents a secure investment over many years and is suitable for a great number of demanding applications.

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Image 02

Casio IT-G500: Human-centred design

(Image: CASIO Europe, Norderstedt, Germany)

The handheld offers comfortable operation, an excellent 4.3" touchscreen display and the highest possible levels of performance and durability. Weighing 270 grams, the device is well balanced and easy to hold, and can be operated like a smartphone via its touchscreen.

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Image 03

Casio IT-G500: Scanner or imager for all ID codes in the warehouse

(Image: CASIO Europe, Norderstedt, Germany)

With a high level of functionality, the extremely robust IT-G500 is the first-choice device for many tasks in the fields of warehouse and transport logistics, service, industry and retail.

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Image 04

Casio IT-G500: Innovative technology for the POS

(Image: CASIO Europe, Norderstedt, Germany)

The lightweight handheld with large 4.3" touchscreen display provides comfortable operation, reads all common ID codes and RFID labels, and features NFC technology.

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Image 05

Casio IT-G500: Documenting damage made easy

(Image: CASIO Europe, Norderstedt, Germany)

The integrated digital camera (5 MP) features a high sensitivity level, auto focus and LED flash for reliable photographic documentation; even under poor lighting conditions.

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Image 06

Casio IT-G500: Proof of delivery for a courier service

(Image: CASIO Europe, Norderstedt, Germany)

Using the Casio IT-G500, the delivery agent is able to scan the identification code of the delivered packages quickly and securely. The customer can acknowledge receipt in writing on the display.