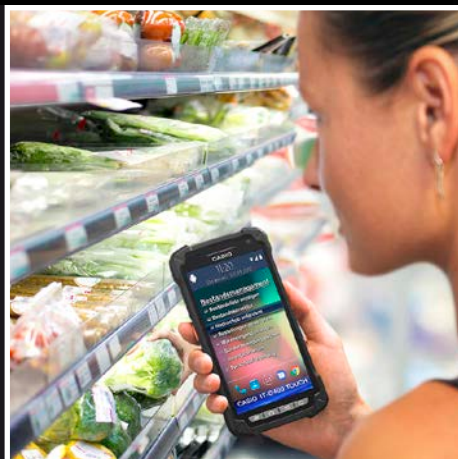




# Toughness!

Robust Full Touch Handheld for Android Apps



# Robust and durable

Android mobile computer with bright touch display, High-speed imager, NFC/RFID, GPS, WLAN, LTE WWAN

## The Device at a Glance:

- Up to date: Android 6.0.1 GMS operating system for a wide range of apps
- Strong: ARM® Cortex® A53 Quad Core Prozessor (1.2 GHz)
- Lightweight and robust: 325 g, IP67 protection class, 1.5 m drop resistance
- Scratch and break resistant: Toughened glass display screen
- Durable: Large battery sizes: 5.800 mAh
- Ergonomic: Compact housing design with a large touch display and two scan buttons on the side
- High reading performance: Professional 1D / 2D imager
- Practical: Two autofocus digital cameras
- Flexible: NFC/RFID functionality
- Secure investment: Professional hardware quality with optimum availability and first-class product support



## Touch handheld for industrial use

As powerful as a top smartphone and as robust as the proven Japanese handhelds: The CASIO IT-G400 mobile computer, a full-touch handheld with the latest Android operating system, opens up new fields of application in industry, retail, logistics and services. The device contains components that have already been proven to be top-class in handhelds used industrially.



For example, a professional imager is integrated into the housing, which is easy to grip and made of durable plastic. The five-inch touch display is almost unbreakable and extremely scratch-resistant. The IP67 rating indicates that the device is well protected against the ingress of dust and water, making it particularly well-suited for outdoor use in wind and weather. It is fully functional at temperatures between -20 and +50°C. Come rain or sunshine the CASIO IT-G400 has the ideal

features to prove its worth all day long.

Power for a long working day is supplied by reliable, Japanese-made batteries.

## Powerful high-speed imager

The integrated CMOS imager is of the latest design, and extremely fast and powerful. A clearly-visible targeted laser aimer enables barcode labels to be captured.

The imager can read multiple codes – even damaged ones – simultaneously at lightning speed. Good or bad reads are confirmed optically, acoustically and with vibration. This is useful in a noisy environment. Effective filter against high-frequency flickering under modern LED lighting allows for constant reading quality.

Two side-mounted trigger buttons for the reading procedure reduce finger movements to a minimum for both right-handed and left-handed users.

## Professional CMOS imager, perfectly integrated

In contrast to commercially available smartphones and their rugged versions which mostly read identification codes via their digital camera, the IT-G400 full-touch handheld has a professional imager.



## On the Way Across all Networks

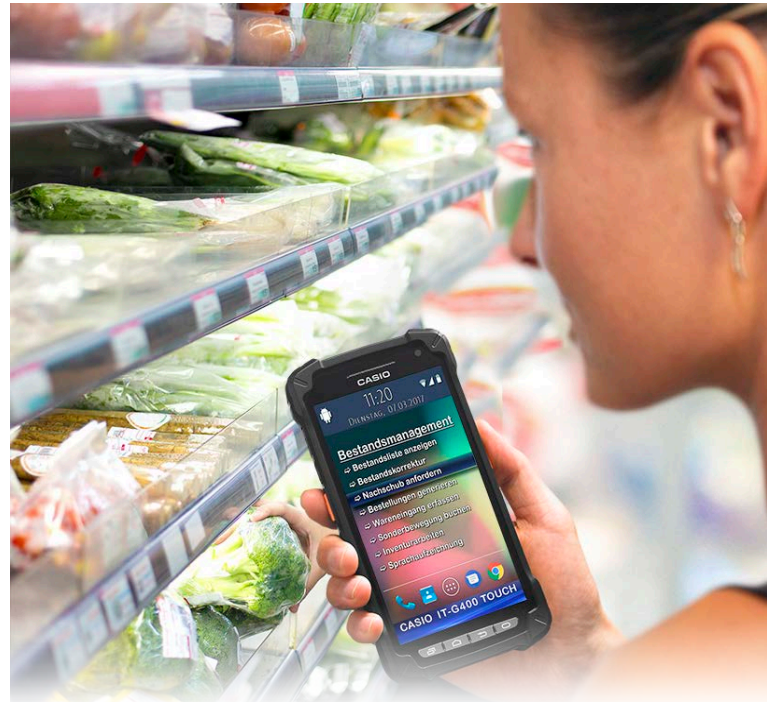
Bluetooth® (4.1), WLAN (IEEE 802.11 a/b/g/n) and LTE WWAN are available for fast data communication. A fast USB interface allows the device to be connected to vehicle mounts and docking stations.

## Ideal for mobile applications

The CASIO IT-G400 full-touch handheld is equipped with the powerful ARM Cortex® A53 quad-core processor (1.2 GHz). Together with generous memory storage (2 GB RAM and 16 GB ROM), the device provides high levels of performance. The combination of powerful hardware and a state-of-the-art operating system means that the device represents a secure investment over many years and is ideal for a wide range of applications.

## RFID/NFC, digital camera and GPS

Common protocols in the field of contactless smart cards and near field communication (NFC) are supported. The 8 megapixel digital camera is perfect for creating pictures for quality control and damage recording. The current location can be easily determined by the position coordinates of the integrated GPS.



### Full-touch handheld for industry, retail and service

In conjunction with its robust design and long-lasting performance, the professional features of the CASIO IT-G400 set new standards in terms of user agreement and investment security. The non-slip surface and special shape of the back of the device guarantee easy, fatigue-free operation.

## Details, Options and Accessories

Front view	Back View	Left view	Top with integrated imager and laser aimer
<ul style="list-style-type: none"> <li>Robust housing with reinforced edges and corners</li> <li>Receiver speaker</li> <li>5"-display full-touch 720 x 1280 pixels</li> <li>Toughened Glass (scratch and break resistant)</li> <li>4 function keys</li> </ul>	<ul style="list-style-type: none"> <li>CMOS imager</li> <li>Digital camera</li> <li>Digital camera with LED flash</li> <li>Power On / Off</li> <li>Scan buttons left and right</li> <li>Battery case with lock</li> <li>Microphone</li> </ul>	<ul style="list-style-type: none"> <li>Reinforced edges and corners</li> <li>Button +/- volume</li> <li>NFC/RFID-antenna</li> <li>Battery 5,800 mAh Li / Ion</li> <li>Docking contacts</li> </ul>	<ul style="list-style-type: none"> <li>Bottom with docking contacts and charging jack</li> </ul>

The CASIO IT-G400 Full-Touch Handheld comes standard with a rechargeable battery of 5,800 mAh, charger, input pen and a screen protector.

<ul style="list-style-type: none"> <li>4-battery-charger incl. power supply HA-R34CHG</li> </ul>	<ul style="list-style-type: none"> <li>Battery 5,800 mAh HA-R21LBAT</li> </ul>	<ul style="list-style-type: none"> <li>Connection cable USB HA-R81USBC</li> </ul>
<ul style="list-style-type: none"> <li>4-charging station incl. power supply HA-R38CHG</li> </ul>	<ul style="list-style-type: none"> <li>Screen protection sheet, 10 pieces HA-R95PS10</li> </ul>	
	<ul style="list-style-type: none"> <li>Charging station incl. power supply HA-R60IO</li> </ul>	

Model Overview:		IT-G400-C21L	IT-G400-WC21L
WLAN		•	•
WWAN			•
<b>Specifications:</b>			
<b>Model Name</b>		CASIO IT-G400 series	
<b>CPU</b>		ARM® Cortex®-A53, 1.2 GHz, quad-core	
<b>Operating System</b>		Android 6.0.1 with GMS (Google Mobile Services, english version)	
<b>Memory</b>	<b>RAM</b>	2 GB	
	<b>FROM</b>	16 GB	
<b>Display</b>	<b>Size</b>	5.0 inch (127 mm) diagonal	
	<b>Resolution</b>	720 x 1,280 pixels, 16,700,000 colours	
	<b>Technology</b>	Daylight-compatible transmissions colour TFT LCD with LED backlight and touch panel	
<b>Input</b>	<b>Keyboard</b>	Virtual screen keyboard (alphanumeric) and 4 buttons on the front for "Recent App", "Home", "Back" and programmable function key, 3 side buttons for "On / Off", "Volume* / -", "Reset"	
	<b>Scan Trigger</b>	2 scan release buttons (left and right)	
	<b>Touch-screen</b>	Capacitive touch panel with scratch-resistant surface (Toughened Glass)	
<b>Wireless Communication</b>	<b>WLAN</b>	IEEE 802.11 a/b/g/n (max. 150 Mbit/s), security standard and encryption WEP, WPA, WPA2	
	<b>WWAN</b> (model dependent)	LTE FDD&TDD, WCDMA (900/2100 MHz), EGPRS (EDGE), GPRS, GSM (850/900/1800/1900 MHz)	
	<b>Bluetooth®</b>	Bluetooth® version 4.1+ EDR/LE	
	<b>GPS</b> (model dependent)	12 channel receiver, NMEA-0183, standard in versions with WWAN	
<b>Interfaces</b>	<b>Memory Card Slot</b>	Compatible with microSD memory cards (SDHC)	
	<b>SIM Card Slot</b>	Compatible with mini SIM cards ISO 7816	
	<b>USB Port</b>	Version 2.0 high-speed (host/client), USB connection via 16-pin I/O connector	
	<b>Headset Connector</b>	3.5 mm jack for earphone and microphone	
<b>Digital Camera</b>	<b>Front</b>	Photo / video, resolution 2.0 MP, autofocus	
	<b>Back</b>	Photo / video, resolution 8.0 MP, autofocus and LED flash	
<b>Audio</b>		integrated microphone and receiver for telephony, speaker for signals and alarms etc.	
<b>Vibrating Signal</b>		Confirms successfully decoded ident codes	
<b>Imager</b>	<b>Technology</b>	CMOS imager, resolution 844 x 640 px, 1D = 0.127 mm, Stacked = 0.170 mm, Matrix = 0.254 mm	
	<b>Reading Distance</b>	50 - 400 mm, depending on type (1D, 2D), size and print quality of the ident code	
	<b>Aimer</b>	Laser beam 650 +10/-5 nm, power 1 mW or less	
	<b>Readable 1D Symbolologies</b>	EAN-8, EAN-13, UPC-A, UPC-E, ITF 2/5-Interleaved, Codabar (NW-7), Code11, Code 32, Code39, Code93, Code128, GS1-128 (UCC/EAN128), MSI, ISBT, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, 2/5-Industrial	
	<b>Readable 2D Stacked-Codes</b>	GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded, Stacked PDF417, Micro PDF, Composite, Codablock F	
	<b>Readable 2D Matrix-Codes</b>	DataMatrix, Maxicode, QR-Code, Aztec-Code, Micro QR Code	
<b>RFID / NFC Functionality</b>	<b>Technology</b>	Reader / writer, NFC interface, protocol-2 (ISO 21481), frequency 13.56 MHz	
	<b>NFC Standards</b>	ISO 14443 type A/B, Mifare®, FeliCa®	
	<b>RFID Standards</b>	ISO 15693, I-CODE, SLI®, Tag-It®, my-d®	
<b>Sensors</b>	<b>Proximity sensor</b>	Response optimized at 940 nm, threshold 425 ~ 475	
	<b>Luminance sensor</b>	Response optimized at 550 nm, dynamic range 0.01 ~ 1700 Lux	
	<b>Acceleration sensor</b>	3-axis digital acceleration sensor	
	<b>Gyro sensor</b>	3-axis digital gyroscope	
<b>Power</b>	<b>Operation</b>	3.85 V lithium-ion battery pack: standard = 5,800 mAh	
	<b>Memory Backup</b>	Integrated lithium-ion battery	
<b>Environment</b>	<b>Drop Durability</b>	Drop height: 1.50 m onto concrete	
	<b>Dust / Water Durability</b>	IP67 protection rating, IEC 60529 compatibel (dust-proof and water-resistant)	
	<b>Operating Environment</b>	Temperature range -20 to +50 °C, relative humidity 10 to 90 % (no condensation))	
<b>Dimensions (W x H x D)</b>		Approx. 82 x 158 x 24 mm	
<b>Weight</b>		Approx. 325 g	

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