CASIO

RUGGED SMART HANDHELD TERMINAL

IT-G600
IT-G650

Functionality, operability, and reliability, all at flagship-level quality

IT-G600 IT-G650

Android™ 9 OS

High-speed, **2.2** GHz octa-core CPU

Large display but **easy to hold**

Rugged body with **1.8** meter* drop durability

*IT-G600

Evolving to be the very best

With a stylish design incorporating a large LCD screen, these models feature the most advanced specs ever. IT-G600/IT-G650 series run the Android™ 9 operating system to achieve an even greater evolution.

Body designed for superb usability and readability

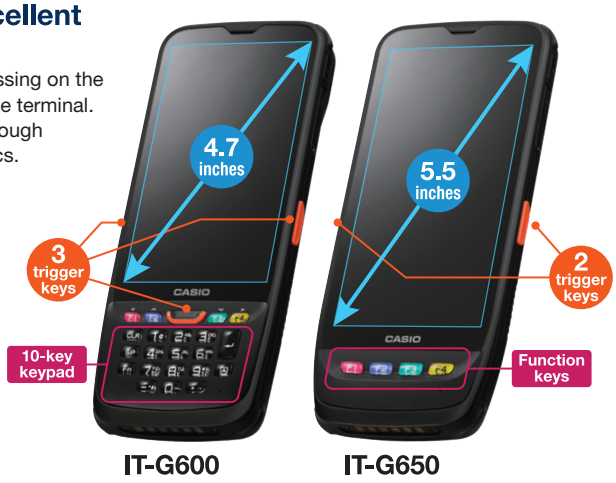
Ergonomic shape for excellent operability

The rounded body with anti-slip processing on the back makes it easy for users to hold the terminal. This has been accomplished via a thorough design process grounded in ergonomics.

Large touch panel LCD

The terminals are equipped with large, high-resolution LCD screens that are well-suited to displaying lists of information. The capacitive touch panel allows users to operate the devices even while wearing work gloves.

- IT-G600: 4.7-inch screen
- IT-G650: 5.5-inch screen



IT-G600 IT-G650

Rugged design

The use of a three-layer construction and reinforced glass to reduce the impact of shocks makes the terminals resistant to damage from drops, making them suitable for use in harsh environments.

- IT-G600: 1.8 m
- IT-G650: 1.5 m

Hardware keys

The protruding, domed shapes of the keys combine with the key layout to make it easy for users to distinguish among different keys. This design allows users to accurately enter data and operate the devices, even while they are wearing gloves.

- IT-G600: 10-key keypad
- IT-G650: Function keys

Advanced functions to support more efficient operations

Android™ 9 platform

The terminals run the Android™ 9 operating system, which grants users access to many different Google services and Android OS business apps.

Qualcomm SDM660 processor

The 2.2 GHz octa-core CPU enables quick processing. And with 4 GB of RAM and 64 GB of ROM, the terminals are capable of performing a diverse range of operations.

Environmental durability

The devices feature dust and water resistance that complies with IP67 standards, and can be used in temperature environments ranging from –20°C to 50°C. This allows users to work with the devices in a variety of different locations.

Software

The terminals support operation and maintenance through a diverse set of tools, including kitting tools and wireless LAN bar code settings.

NFC reader/writer

The NFC reader/writer is useful for scanning RFID tags and for providing login security through IC card authentication.

Built-in C-MOS imager

The terminal houses the latest generation of C-MOS imager that supports 1D/2D scanning at high speeds, and offers excellent performance even under suboptimal scanning conditions.

13-megapixel camera

The camera features auto-focus and an LED light, and is useful for both on-site reporting and other situations that involve sharing information through still images or video.

- LTE communication (WAN model only)
- IEEE 802.11 a/b/g/n/ac
- Bluetooth® v5.0, EDR/LE

Specifications

		IT-G600-C21	IT-G600-WC21	IT-G650-C21	IT-G650-WC21
CPU		Qualcomm 2.2 GHz octa-core CPU			
OS		Android™ 9			
Memory	RAM	4 GB			
	FROM	64 GB			
Display	LCD	4.7-inch transmissive color TFT LCD HD (1280 × 720 pixels)		5.5-inch transmissive color TFT LCD HD+ (1440 × 720 pixels)	
	Touch panel	Capacitive touch panel			
Scanner		C-MOS imager			
Camera		Approx. 13 megapixels, auto-focus, LED flash			
NFC		ISO 14443 Type A/ISO 14443 Type B/FeliCa®/ISO 15693			
GPS		Built-in, A-GPS			
Audio		Speaker, microphone, receiver, earphone microphone jack			
Bluetooth®		v5.0, EDR/LE			
Wireless LAN		IEEE 802.11 a/b/g/n/ac			
Wireless WAN		—	GMS/W-CDMA, LTE nano-SIM slot × 1	—	GMS/W-CDMA, LTE nano-SIM slot × 1
Sensors		Accelerometer, ambient light sensor, proximity sensor, gyroscope sensor, geomagnetic sensor			

		IT-G600-C21	IT-G600-WC21	IT-G650-C21	IT-G650-WC21
Durability	Drop durability*1	1.8 m		1.5 m	
	Dust and water resistance	IP67-compliant*2			
	Operating temperature	–20°C to 50°C*3			
USB		USB 2.0 high speed (Type-C)			
Card slot		microSD × 1			
Power supply		Rechargeable lithium ion battery (3,000 mAh)			
Battery life		Approx. 20 hours (when used in JEITA G mode)*4		Approx. 18 hours (when used in JEITA G mode)*4	
External dimensions (W × D × H)		Approx. 75 × 180 × 18 mm		Approx. 78 × 180 × 18 mm	
Weight (including battery pack)		Approx. 300 g		Approx. 310 g	

*1 Tested by using 6 sides, 4 angles, and 1 cycle on a concrete surface. The drop durability height is a measured value resulting from testing. It does not guarantee that the product will be undamaged when dropped from this height. *2 No ingress of dust. No ingress of water even if temporarily immersed in water under defined pressure conditions when all covers for connectors, etc., are closed. Dust and water resistance are measured using Casio's testing methods. Performance deteriorates due to aging and drop impact and is not guaranteed. *3 The camera flash function is usable in temperatures ranging from –10°C to 50°C. *4 Under the following conditions: a bar code is read twice every 10 seconds with 1 KB of data being transmitted once, the wireless LAN module is in power-saving mode, the backlight is on, and data is transferred via FTP. Actual battery life might vary depending on the operating environment and system settings.
• Models are scheduled for staggered releases beginning in Q2, 2020.

• The information in this catalog is current as of January 2020. • Specifications and appearance are subject to change without notice due to improvements. Colors in print may vary from actual product colors. • Android is a trademark of Google LLC. Bluetooth is a registered trademark of Bluetooth SIG, Inc. in the United States, and any use of this mark by Casio Computer Co., Ltd. is under license. FeliCa is a registered trademark of Sony Corporation. All other company names and product names appearing in this catalog are the registered trademarks or trademarks of their respective owners. • Images in this catalog depicting the device's display are simulated.

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