

PRODUCT SPECIFICATIONS

1. General

■ Configuration by Model

Product Name	O S	Scanner	Angle	Camera	NFC	GPS	WAN
IT-G600-C21	Android 9 (GMS)	2 D	25°	○	○	○	—
IT-G600-WC21	Android 9 (GMS)	2 D	25°	○	○	○	○
IT-G600-C31	Android 9 (GMS)	2 D	60°	○	○	○	—
IT-G600-WC31	Android 9 (GMS)	2 D	60°	○	○	○	○
IT-G600-WC01	Android 9 (GMS)	—	—	○	○	○	○

■ Options

Product Name	Description
HA-U60IO	USB cradle
HA-U62IO	Ethernet Cradle
HA-U36DCHG	Cradle Type Multiple Battery Charger
HA-U32DCHG	Dual Battery Charger
HA-U20BAT	Battery Pack
HA-U92PS10	Screen Protect Sheet
HA-U93BP1	Protector
DT-380USB-A	USB cable
HA-S81USBC	USB Type-C cable
AD-S50200A	USB AC Adapter
AD-S50400A	AC Adapter (5V4A)
AD-S12500A	AC Adaptor(12V5A)
AC-CORD3-EU	Power Cord for Europe
AC-CORD3-UK	Power Cord for UK
AC-CORD3-AU	Power Cord for Australia

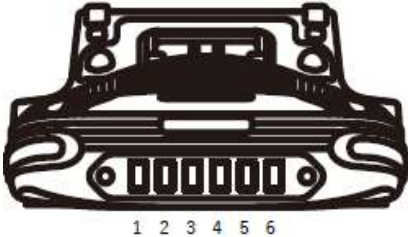
2. Specifications

■ Standard Specification

Item		Specification
CPU		Qualcomm 2.2GHz + 1.8GHz Octa Core SDM 660
OS		Android 9
Memory	RAM	4GB
	ROM	64GB
Display	Display Device	TFT
	Display Size	4.7 inches
	No. of Dots	720 (H) x 1280 (V)
	Dot Pitch	0.0807 (H) x 0.0807 (V) mm
	Gradation	16.77M colors
	Backlight	LED backlight
	Viewing Angle	80° (up, down, left, right)
Touch Panel		Capacitive touch panel, Multi-touch
Indicator	LED	Indicator 1: Status of charging battery pack 3-color (Red, Green, Blue) LED × 1
		Indicator 2: Notice 2-color (Red, Green) LED × 1
Vibrator		Notification of scanning bar code
Input	Power keys	Power off/on
	Side keys	Volume up/down
	Function key	F1~F4Key
	Trigger Keys	scanning keys (center, left, right)
	Keyboard	10alphanumeric keys
Camera	No. of Pixels	13 million pixels (4146 (V) x 3120 (H))
	F Number	2.0
	Focal Distance	10 cm to ∞
	Auto Focus	Yes
	Flash	Yes (LED flash)
Speaker		Scanning notice, warning sound
Receiver		For public line
Microphone	Front	Voice sound input
	Back	For noise canceling
Sensors		Proximity sensor/illuminance sensor/acceleration sensor/Geomagnetic sensor/Gyro sensor

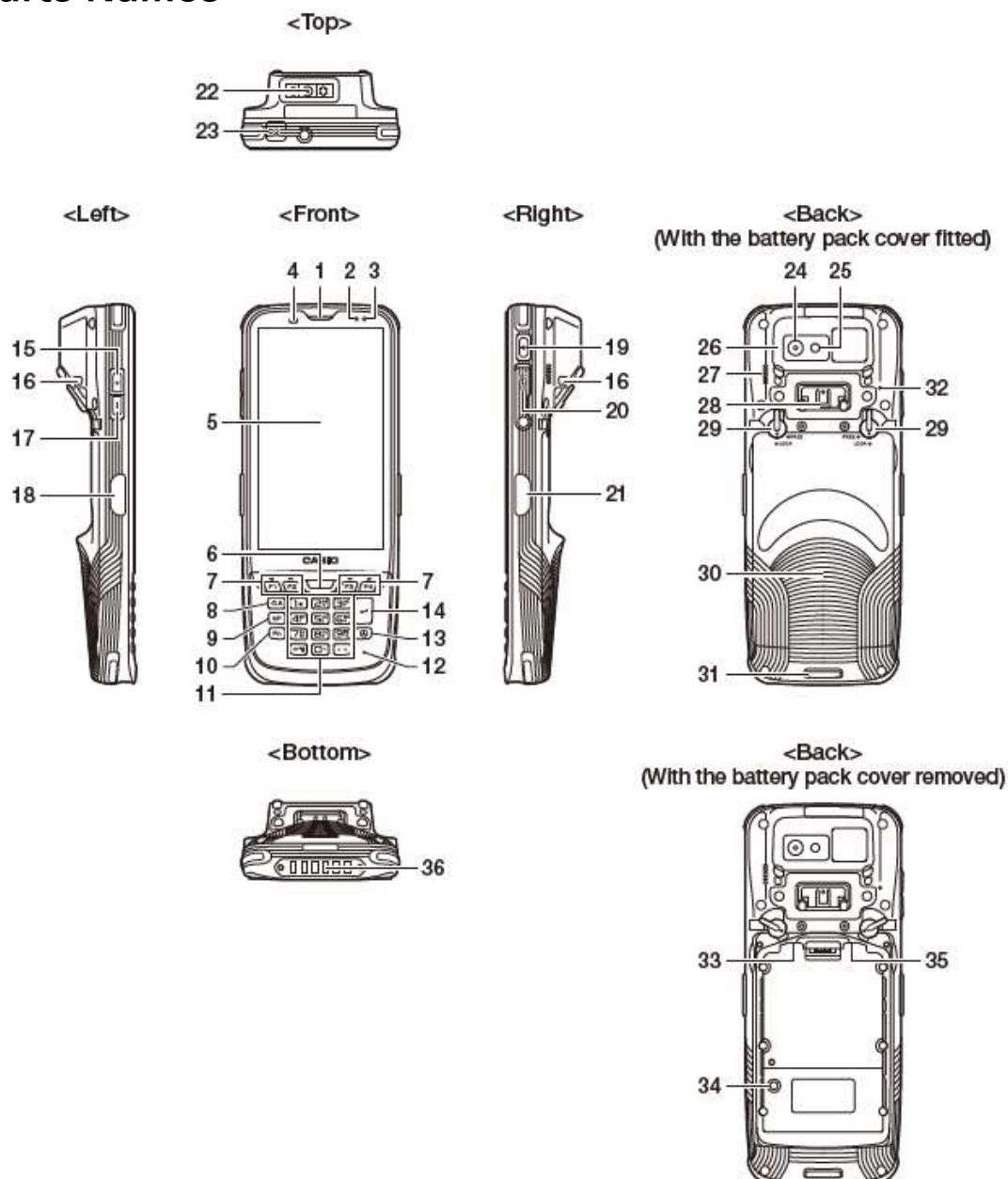
Item		Specifi cation
Scanner	Method	CMOS Imager, 1280 x 800, monochrome
	Aimer Method	laserLaser 650 nm, 1 mW or less
	Frontage	IT-G600-C21/WC21 : 25 degree IT-G600-C31/WC31 : 60 degree
	Resolution	1D: 0.127 mm 2D Stacked: 0.169 mm 2D Matrix: 0.191 mm
	Read PCS	0.45 (minimum) or greater
	Readable Distance	1D : 33 ~ 420mm (0.25mm resolution) 1D : 37 ~ 630mm (0.50mm resolution) 2D Stacked : 98 ~ 220mm (0.17mm resolution) 2D Matrix : 32 ~ 360mm (0.38mm resolution)
	Scan Width	Max. 32mm (at 33mm depth) Max. 477mm (at 630mm depth)
	Focal distance	9.0 inches
	Ambient light	Sunlight 50,000 lux or less
	Reading Symbologies (1D)	UPC-A/UPC-E/EAN8(JAN8)/EAN13(JAN13)/ Codabar(NW-7)/Code39/Interleaved2of5(ITF)/MSI/ ISBT/Code93/Code128/GS1-128(EAN128)/Code32/ GS1 DataBar Omnidirectional (RSS-14)/ GS1 DataBar Truncated (RSS-14)/ GS1 DataBar Limited (RSS Limited)/ GS1 DataBar Expanded (RSS Expanded)/
	Reading Symbologies (1D)	PDF417/Micro PDF/Composite/Codablock F/ GS1 DataBar Stacked Omnidirectional (RSS-14 Stacked)/ GS1 DataBar Expanded Stacked (RSS Expanted Stacked)/ GS1 DataBar Stacked (RSS-14 Stacked)
	Reading Symbologies (2D Matrix)	Aztec/DataMatrix/Maxicode/QR Code/Micro QR/ HanXin Code

Item		Specifi cation
WLAN	Standard	IEEE 802.11a/b/g/n/ac
	Radio Type	Spread spectrum
	Frequency Range	2412 MHz – 2472 MHz (1 ~ 13ch) 5180 MHz – 5320 MHz (36 ~ 64ch) 5500 MHz – 5700 MHz (100 ~ 140ch) 5745 MHz – 5825 MHz (149 ~ 165ch) (802.11d: Allowed frequency range can be used according to countries or regions.)
	Baud Rate	802.11a/g: 54Mbps (maximum) 802.11b: 11Mbps (maximum) 802.11n HT20 (2.4&5GHz): 72Mbps (maximum) 802.11ac : 433Mbps (maximum)
	Communication Distance	Communication Distance 802.11b/g/n: Indoor 50m, Outdoor 150m (n: 2.4GHz) 802.11a/n/ac: Indoor 30m, Outdoor 150m (n: 5GHz) It can change due to surrounding environment
Bluetooth	Standard	Bluetooth® v5.0, EDR/LE
	Class	Class 1
	Radio Type	Spread spectrum communication system (FH-SS:Frequency Hopping Spread Spectrum)
	Frequency Range	2402 MHz – 2480 MHz
	Communication Distance	Approx. 5m It can change due to surrounding environment
	Supported Profile	Classic : A2DP, AVRCP, GAVDP, HFP, HID, HSP, OPP, PAN, PBAP, SPP(HFPは16kHzに対応) BLE : HOGP, ScPP
GSM	Standard	3GPP
	Protocol	GSM/GPRS/EDGE
	Frequency range Band	EGSM900 (880-915 MHz/925-960 MHz) DCS1800 (1710-1785 MHz/1805-1880 MHz)
W-CDMA	Standard	3GPP W-CDMA Rel 99, HSDPA, HSUPA
	Baud Rate	Downlink : 42 Mbps (maximum) Uplink : 11 Mbps (maximum)
	Modulation Type	UMTS/HSDPA/HSUPA
	Compatible band	BAND 1 (1920-1980MHz/2110-2170MHz) BAND 8 (880-915MHz/925-960MHz)

Item		Specifi cation																					
LTE	Standard	3GPP LTE FDD&TDD																					
	Baud Rate	Downlink: 150Mbps (maximum) Uplink: 50Mbps (maximum)																					
	Frequency Bands	FDD 1 (1920-1980MHz/2110-2170MHz) FDD 3 (1710-1785MHz/1805-1880MHz) FDD 7 (2500-2570MHz/2620-2690MHz) FDD 8 (880-915MHz/925-960MHz) FDD 20 (832-862MHz/791-821MHz) TDD 38 (2570-2620MHz/2570-2620MHz)																					
GPS	Standard	GPS, GLONASS, BeiDou, QZSS/L1C																					
	WAN & GNSS Modes	Simultaneous-GNSS (WAN+GNSS at the same time) Standalone-GNSS (without WAN) A-GPS																					
	Protocol	NMEA																					
	Sensitivity	Acquisition sensitivity: -140 dBm Tracking sensitivity: -158 dBm																					
SIM	Standard	ETSI TS 102 221 V11.0.0 nano SIM card × 1 slot																					
	General Specifi cation	3 V, 1.8 V SIM card supported																					
micro SD		microSDXC card slot × 1																					
USB Type-C	Connector Type	USB Type-C																					
	Input current	2.0A (maximum)																					
	Host	No function																					
	Client	Baud rate: USB 2.0 High-Speed (480 Mbps)																					
Power Supply/Data Terminals																							
		<table border="1"> <thead> <tr> <th>Pin No.</th> <th>Name</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>V CRADLE</td> <td>Cradle Power, 5V 2A, Cradle Detect</td> </tr> <tr> <td>2</td> <td>D+</td> <td>USB D+</td> </tr> <tr> <td>3</td> <td>D-</td> <td>USB D-</td> </tr> <tr> <td>4</td> <td>V BUS</td> <td>USB POWER 5V</td> </tr> <tr> <td>5</td> <td>USB ID</td> <td>USB Host(H) / Client(L) Detect</td> </tr> <tr> <td>6</td> <td>GND</td> <td>GND</td> </tr> </tbody> </table>	Pin No.	Name	Function	1	V CRADLE	Cradle Power, 5V 2A, Cradle Detect	2	D+	USB D+	3	D-	USB D-	4	V BUS	USB POWER 5V	5	USB ID	USB Host(H) / Client(L) Detect	6	GND	GND
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6	GND	GND																					

Item		Specification			
NFC	Carrier Frequency	13.56MHz			
	Readable Distance	ISO14443 Type A/B, FeliCa: 0 mm (Touching the case) ISO15693: 0 mm (Touching the case) ~ Max. 50 mm * Depends on the antenna design, etc. of a tag.			
	Communication Protocol * Before introducing, prior confirmation of card is required as some cards may be out of the ISO standard.	Standards	Supported	Operation-check confirmed IC	
		ISO14443 Type A	○	MIFARE 1K/MIFARE 4K MIFARE Ultralight MIFARE Ultralight C MIFARE EV1	
		ISO14443 Type B	○		
		FeliCa (JIS X 6319)	○	FeliCa Standard	
		ISO15693	○	I · CODE SLI I · CODE SLI-S I · CODESLI-L	
		ISO18092 (Communication between terminals)	×		
ISO18092 (Card mode)		×			
Power Specifications	Main Battery	Lithium ion battery			
	Backup Battery	Rechargeable lithium battery × 1			
	Operating Time	JEITA G mode : Approx. 20 hours Condition : Normal temperature Brand-new battery LCD Backlight brightness minimum Buzzer volume minimum WAN/BT OFF			
	Main Battery Charge Time	Approx. 4 hours by USB AC adaptor or Cradle-type Battery Charger * Normal temperature			
	Backup Battery Charge Time	Approx. 4 hours Time required to be fully charged with the main battery is installed. * Normal temperature			

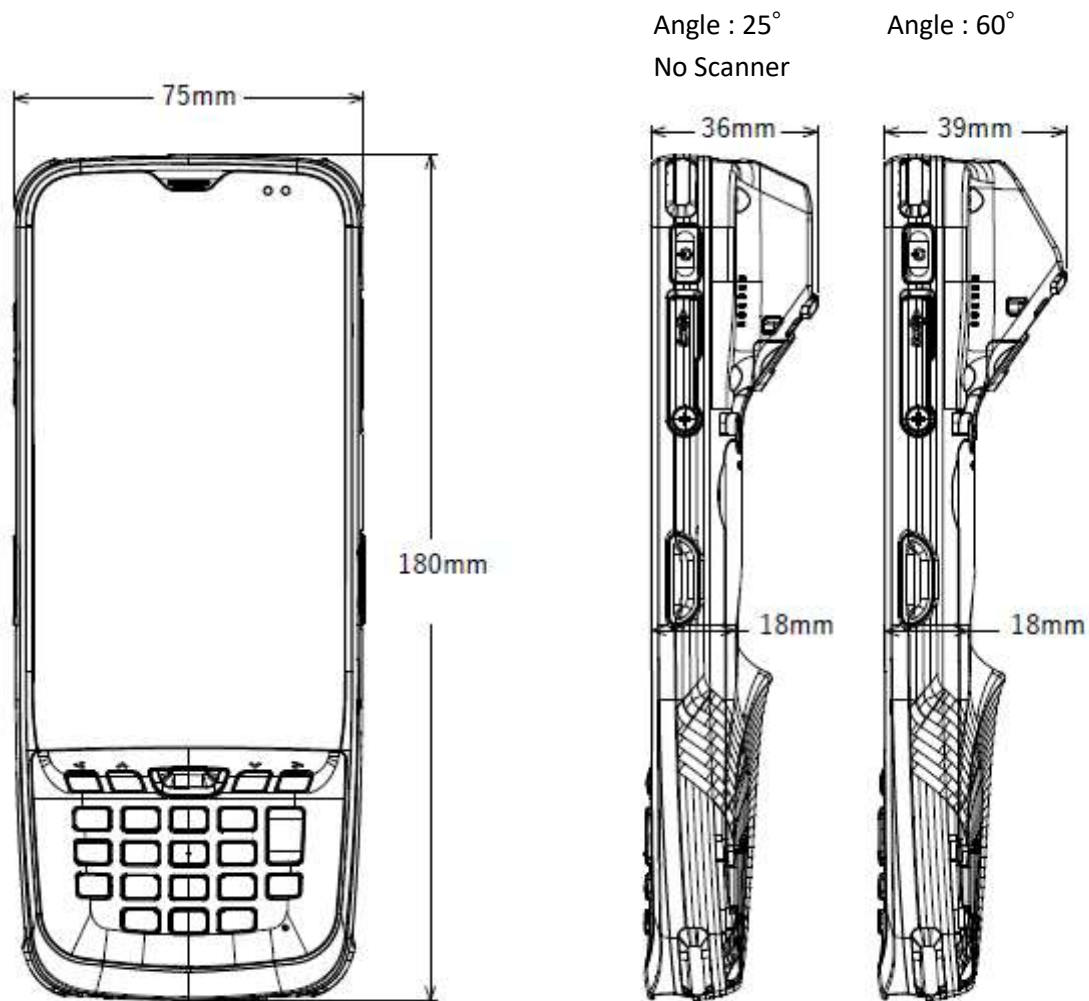
3. Parts Names



The illustration shows IT-G600-WC21.

1	Receiver	13	Text Key	27	Speaker
2	Charging Status LED	14	OK Key	28	Hand Belt Mount
3	Notification LED	15	Volume Up Key	29	Battery Pack Cover Lock Switches
4	Illuminance / Proximity Sensor	16	Strap Holes	30	Battery Pack Cover
5	Screen/Touch Panel	17	Volume Down Key	31	Hand Belt Mount/Strap Hole
6	Center Trigger Key	18	Left Trigger Key	32	Rear Microphone
7	Function/Cursor Keys	19	Power Key	33	microSD Card Slot
8	CLR Key	20	USB Type-C Port	34	Reset Switch
9	SP Key	21	Right Trigger Key	35	nanoSIM Card Slot
10	Fn Key	22	Barcode Reader	36	Power Supply/Data Terminals
11	Number/Period/Minus Keys	23	Headset Jack		
12	Microphone	24	Camera		
		25	LED Light		
		26	NFC Reader		

4. Dimensions/Weight



Dimensions : Approx 75 mm × 180 mm × 18 mm(grip)

Weight : Approx 240 g