Gladius 5

5.5" Rugged IoT Handheld Device with Quad-core Processor

Features

- Fully rugged for warehousing / transportation / medical / mPOS applications
- MIL-STD-810G & IP-65 certified, 1.5m (5ft.) drop resistance
- 5.5" TFT color LCD 1280 x 720 HD resolution
- Projected capacitive multi-touch panel with anti-reflection Corning® Gorilla® Glass 3
- High mobility with multiple connectivities including WLAN, Bluetooth and WWAN
- Built-in 1D barcode reader or 2D barcode imager
- Customer replaceable battery with optimized battery life up to 8 hours
- Wireless charge supported
- G-sensor, gyroscope, light sensor, E-compass, GPS navigation & barometer
- System access control via RFID & NFC reader

Rugged Mobile Computing

Durability Features

MIL-STD-810G & IP-65 certified	
1.5m (5ft.) drop-resistance	
Raised bezel for LCD impact protection	
I/O ports with hinged rubber covers	

System

CPU	MTK MT6589 Quad-core Cortex™A7 1GHz CPU PowerVR™ Series5XT GPU
OS	Android™ v4.2
Memory	1GB
Storage	8GB
Audio	Integrated microphone
	Integrated speaker
	1 x 3.5mm stereo headphone jack

Peripherals and Devices

Camera	Front: 2.0 MP camera (only available for model with 1D barcode reader)
	Rear: 8.0 MP AF camera with LED
Sensor	Accelerometer (G-sensor)
	3-axis digital gyroscope
	Barometer
Light Sensor	Ambient light sensor
NFC	ISO/IEC 21481 Type A, Type B, Felica
WLAN	Integrated IEEE 802.11 b/g/n
Bluetooth	Integrated Bluetooth 4.0 + EDR class 2, with HID input, A2DP, DUN, HFP, SPP & PBAP supported
WWAN	WCDMA UMTS 850/1900/2100
Navigation	GPS, AGPS & digital compass
Barcode Scanner	1D or 2D barcode scanner, either with physical trigger button

I/O Interface

USB Port	1 x Micro USB 2.0 port
SD Slot	1 x microSD card slot (up to 32G)
SIM Socket	2 x SIM card slots
Expansion	microSDHC

LCD Display

Size/Type	5.5" TFT LCD
Resolution	1280 x 720

Touch Screen

Type	5-point Projected Capacitive Touch screen
	Corning® Gorilla® Glass 3 w/ anti-reflection coating

Power Supply

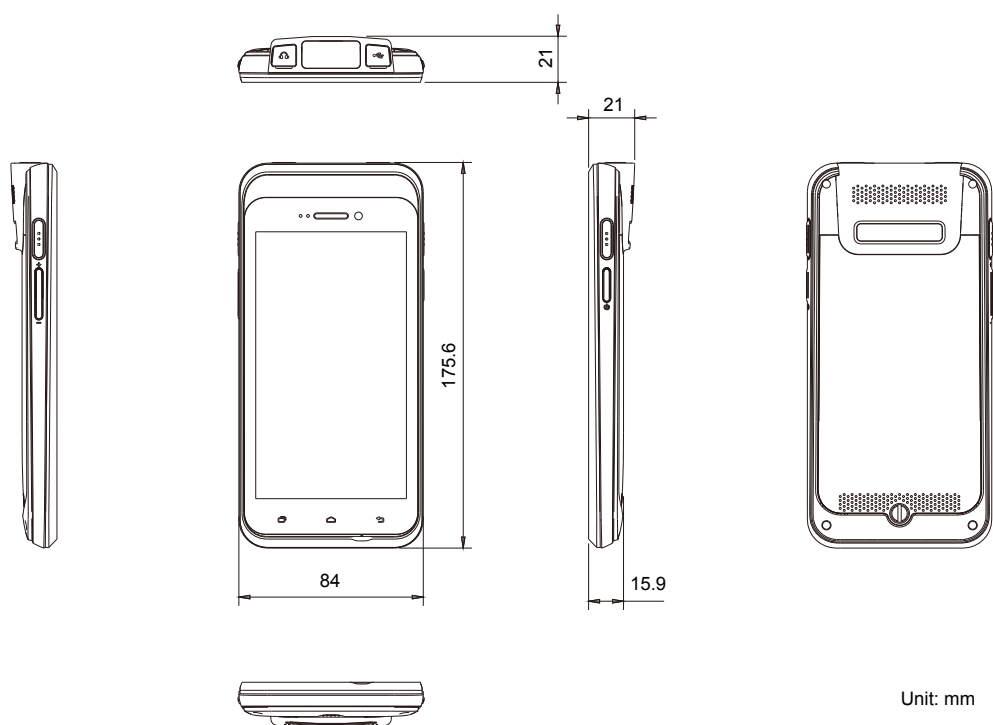|	
Power System	External AC power adapter
Battery Type	Lithium-ion rechargeable battery
	Customer replaceable (for maintenance)
	Wirelessly rechargable (only works with ARBOR wireless cradle and docking)
Battery Capacity	3.7V, 3600mAh, 13.32Wh

Battery Life	Up to 8 hours battery life with the following operations:
	1. Continuous audio playback of 160-Kbps encoded MP3 files
	2. Internet browsing by Wi-Fi while:
	  a. Browsing snapshot versions of 20 separate web pages
	  b. Using hourly push-email
	Continuous video playback for 6 hours

Adapter Input	Input: AC100~240C, 50~60 Hz
Adapter Output	DC power output: 5V/2.1A

Mechanical & Environmental

Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	95% (non-condensing)
Dimensions (W x H x D)	84.0 x 175.6 x 15.9 mm (3.31" x 6.91" x 0.63")
Weight	280g (0.62lb) (with battery)

Ordering Information

G551B	5.5" Android™ Rugged IoT Handheld Device with Quad-core Processor, Front & Rear Camera and 1D Barcode Scanner
G552B	5.5" Android™ Rugged IoT Handheld Device with Quad-core Processor, Rear Camera and 2D Barcode Scanner

Dimensions

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21

175.6

84

15.9

Unit: mm

Standard Accessories

Universal power adapter	
Rechargeable Li-ion battery pack	
Earphone	
SIM card adapter	
User Manual	Manual

Optional Accessories

D.Dock-G5	Desktop cradle w/ wireless charger	
V.Dock-G5	In-vehicle docking w/ wireless charger	