

# Gladius 8

## 7.85" Rugged IoT Handheld Device with Quad-core Processor



### Features

- Fully rugged for warehousing / transportation / medical / mPOS applications
- MIL-STD-810G & IP-65 certified, 1.2m (4ft.) drop resistance
- 7.85" TFT color LCD 1024 x 768 XGA 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/2D barcode scanner
- Customer replaceable battery with optimized battery life up to 10 hours
- Wireless charge supported
- G-sensor, gyroscope, light sensor, E-compass, GPS navigation & barometer
- System access control via RFID & NFC reader

### Durability Features

MIL-STD-810G & IP-65 certified  
1.2m (4ft.) drop-resistance  
Raised bezel for LCD impact protection  
I/O ports with hinged rubber covers

### System

CPU	MTK MT8382 Quad-core Cortex™ A7 1.3GHz CPU PowerVR™ Series5XT GPU
OS	Android™ v4.4
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
	Rear: 12 MP AF camera with LED
Sensor	Accelerometer (G-sensor)
	3-axis digital gyroscope
	Barometer
Light Sensor	Ambient light sensor
RFID & NFC	1 x 13.56MHz, ISO 15693/14443A/ 14443B RFID & ISO/IEC 21481 Type A, Type B, Felica NFC Reader
WLAN	Integrated IEEE 802.11 b/g/n
	Wi-Fi certified Miracast™
Bluetooth	Integrated Bluetooth 4.0 LE + EDR class 2, with HID input, A2DP, DUN, HFP, SPP & PBAP supported
WWAN	WCDMA UMTS 850/900/1900/2100
Navigation	GPS, AGPS & digital compass
Barcode Scanner	1D/2D barcode scanner with physical trigger button

### I/O Interface

USB Port	1 x Micro USB 2.0 port
SD Slot	1 x microSD/SDHC card slot (up to 32G)
SIM Socket	2 x SIM card slots
HDMI	1 x Mini HDMI port

### LCD Display

Size/Type	7.85" TFT LCD
Resolution	1024 x 768

### Touch Screen

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

Power System	External AC power adapter
Battery Type	Lithium-ion rechargeable battery
	Customer replaceable (for maintenance)
	Wirelessly rechargeable (only works with ARBOR wireless cradle and docking)
Battery Capacity	3.7V, 6200mAh, 22.94Wh
Battery Life	Up to 10 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/2A

### Mechanical & Environmental

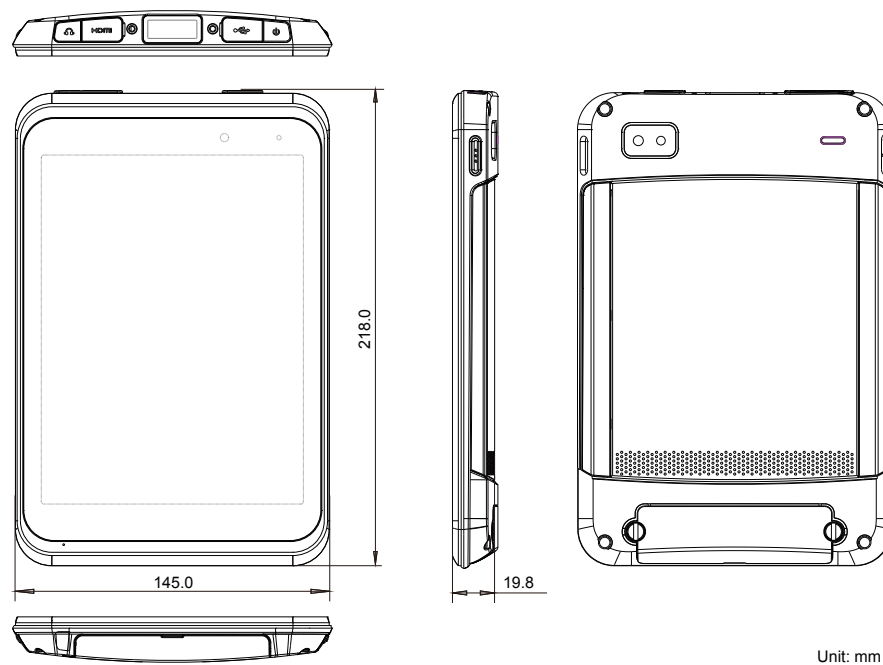
Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	95% (non-condensing)
Dimensions (W x H x D)	145.0 x 218.0 x 19.8 mm (5.71" x 8.58" x 0.78")
Weight	610g (1.35lb) (with battery)

### Ordering Information

GT7800	7.85" Android™ Rugged IoT Handheld Device with Quad-core Processor, Front & Rear Camera
GT7820	7.85" Android™ Rugged IoT Handheld Device with Quad-core Processor, Front & Rear Camera and 1D/2D Barcode Scanner



**Dimensions**



**Standard Accessories**

	Universal power adapter (power plug type varies according to region)	
	Rechargeable Li-ion battery pack	
	Earphone	
	User Manual	

**Optional Accessories**

D.Dock-G8	Desktop cradle w/ wireless charger (power plug type varies according to region)	
V.Dock-G8	In-vehicle docking w/ wireless charger	