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 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 / 2D barcode imager
- Field 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: 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
	Wi-Fi certified Miracast™
Bluetooth	Integrated Bluetooth 4.0 + EDR class 2, with HID input, A2DP, DUN, HFP, SPP & PBAP supported
WWAN	WCDMA UMTS 850/900/1900/2100M
Navigation	GPS, AGPS & digital compass
Barcode Scanner	1D barcode reader with physical trigger button

I/O Interface

USB Port	1 x Micro USB 2.0 port
SD Slot	1 x microSD card slot
SIM Socket	2 x SIM card slots
HDMI	1 x Mini HDMI port
Expansion	microSDHC

LCD Display

Size/Type	7.85" TFT LCD
Resolution	1024 x 768

Touch Screen

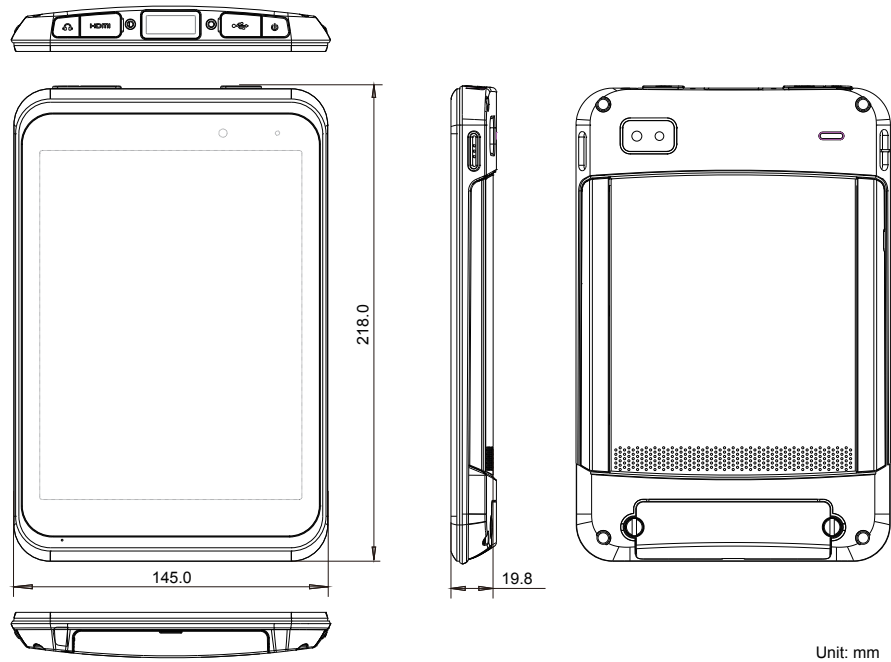|	
Type	5-point Projected Capacitive Touch screen
	Corning® Gorilla® Glass 3 coating w/ anti-reflection coating
	Optional optical bonding sunlight readable technology

Power Supply

Power System	External AC power adapter
Battery Type	Lithium-ion rechargeable battery
	Field replaceable (for maintenance)
	Wirelessly rechargable*
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 8 hours
Adapter Input	Input: AC100~240C, 50~60 Hz
Adapter Output	DC power output: 5V/1.5A

Mechanical & Environmental

Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temp.	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	95% (non-condensing)
Dimensions (W x D x H)	145.0 x 218.0 x 19.8 mm (5.71" x 8.58"x 0.78")
Weight	550g (1.22lb) (with battery)

*Only works with Arbor wireless cradle and docking.

All specifications are subject to change without notice.

Dimensions

218.0

145.0

19.8

Unit: mm

Standard Accessories

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

Optional Accessories

D.Dock-G8	Desktop cradle w/ wireless charger	
V.Dock-G8	In-vehicle docking w/ wireless charger	

OEM Configuration

MSR reader	
1D/2D barcode imager	

*Please contact ARBOR's sales representatives in your local area.