

# Gladius G0710

7" Intel® Atom™ Z510 Portable Medical Data Terminal



## Features



- 7" Wide Active Matrix TFT Panel
- EN60601-1/EN60601-1-2/UL60601-1 Certified
- Ultra Slim (36mm Thickness), Ultra Light (1kg)
- Ultra Low Power Consumption
- Multi Connectivity (Bluetooth/WLAN/RFID/1 x GbE LAN)
- Ultra Reliability/IP54 Compliant Enclosure
- Instant Resume (Suspend to Disk/RAM)
- Passive Cooling System (Fanless)
- Ultra Long Battery Life (4 hours)

## System

<b>CPU</b>	Intel® Atom™ Z510 1.1GHz CPU with FSB 400MHz
<b>Graphics Controller</b>	GMA 500 Integrated
<b>Memory</b>	Soldered Onboard 1GB DDR2-667 SDRAM
<b>Chipset</b>	Intel® System Controller Hub US15W
<b>BIOS</b>	AMI BIOS
<b>Audio</b>	ALC888-GR Azalia HD Audio Codec
<b>Storage</b>	4GB Industrial Compact Flash (default) 32GB 1.8" IDE PATA SSD (G0710-SSD/3G)

## Peripherals and Devices

<b>Serial Port</b>	1 x RS-232 port
<b>USB Port</b>	2 x USB 2.0 ports
<b>Camera</b>	1 x 1.3 megapixels CMOS Camera w/Mic (front) 1 x 2.0 megapixels CMOS Camera w/o Mic (back)
<b>RFID</b>	Integrated ISO 15693/14443A/14443B RFID Reader (distance: 3~5cm; speed: 5 cards/sec)
<b>Ethernet</b>	1 x Realtek RTL8111 Gigabit Ethernet controller
<b>Wi-Fi</b>	Integrated WLAN 802.11 b/g/n (USB interface)
<b>Bluetooth</b>	Integrated Bluetooth 2.0 + EDR (USB interface)
<b>GSM/UMTS</b>	Up to HSUPA 3.75G (G0710-SSD/3G only) Mini-card HSUPA (3.75G) module supporting WCDMA, HSUPA, HSDPA & E-GPRS, Triband HSDPA/UMTS (850, 1900, 2100 MHz), Quadband EDGE/GPRS/GSM (850, 900, 1800, and 1900 MHz)
<b>Expansion</b>	1 x 35-pin pogo connector for connection with desktop cradle
<b>SIM Socket</b>	1 x SIM socket (located underneath the battery pack)

## Button & Indicator

<b>LED Indicator</b>	5 x LEDs on front panel (Power, Storage/Battery/RFID/Bluetooth)
<b>Function Key</b>	8 programmable function keys on front panel (brightness up and down, volume up and down, mute on/off, bluetooth on/off, Wi-Fi on/off, touchscreen on/off)
<b>Power Button</b>	1 x Power on/off switch on the bottom right 1 x Reset switch on the top right
<b>RFID Button</b>	1 x RFID on/off switch on the top left

## LCD Display

<b>Size/Type</b>	7" wide active matrix TFT
<b>Max. Resolution</b>	1024 x 600 (WSVGA) w/ 262,144 colors
<b>Luminance</b>	375 cd/m <sup>2</sup> (typ.)
<b>Contrast Ratio</b>	400 : 1
<b>Backlight Type</b>	LED

## Touch Screen

<b>Type</b>	Analog Resistive
<b>Light Transparency</b>	73% (typ.)
<b>Controller Interface</b>	USB Interface

## Power Supply

<b>Adapter Input</b>	100 ~ 240VAC (Full Range)
<b>Adapter Output</b>	20VDC, 4.5A, 90W
<b>Battery Type</b>	Li-battery pack
<b>Battery Capacity</b>	2600mAh 4-cell
<b>Battery Operating Time</b>	4 hours

## Mechanical & Environmental

<b>Operating Temp</b>	0 ~ 45°C (32 ~ 113°F)
<b>Storage Humidity</b>	5 to 85% (non-condensing)
<b>Dimensions (W x D x H)</b>	210 x 36 x 160 mm (8.26" x 1.42" x 6.29")
<b>Net Weight</b>	980 g (2.16 lb)
<b>Vibration</b>	1 Grms/ 5 ~ 500Hz/ random operation
<b>Shock</b>	10G peak acceleration (11ms duration)
<b>Transit Drop</b>	122cm (4 feet) drop to wood, 5 sides all pass, except the front panel side
<b>IP Rating</b>	IP54 compliant
<b>Regulatory</b>	CE/FCC Class B/EN60601-1/EN60601-1-2/UL60601-1 compliant

## Ordering Information

<b>G0710-SSD</b>	7" Intel® Atom™ tablet PC with 32GB 1.8" SSD
<b>G0710-SSD/3G</b>	7" Intel® Atom™ tablet PC with 32GB 1.8" SSD, HSUPA
<b>G0710-CF</b>	7" Intel® Atom™ tablet PC with 4GB CF

Computer on Module  
Compact Board  
Slot Board  
Industrial Motherboard  
Wide Temperature /Power Converter /Mounting Kit  
Rugged Tablet PC  
Medical PC  
Industrial Panel PC/Monitor  
Wide Temperature Box PC  
BOX PC  
Network Appliance  
Industrial Chassis /Backplane /Power supply