

# Gladius G1050 Series

## 10.4" Intel® Atom™ Z530P Rugged Tablet PC



### Features

- 10.4" AFFS+ TFT Active Matrix with Resistive Touch Panel
- Ultra Low Power Consumption
- Fully Rugged for Mobile POS or Warehousing Application
- Meet MIL-STD-810F, IP54, 4 ft. Drop Resistance
- High Mobility, Multiple Connectivity (Bluetooth/WLAN/3.75G)
- Identification Devices (Barcode Scanner, RFID Reader and MSR)
- Hot-swappable external battery w/ redundant internal battery
- 23-key Keypad with Numeric Keys and Function Keys
- I.P.A. (Isopropyl) Alcohol Clearing Allowed

### System

|                            |                                          |
|----------------------------|------------------------------------------|
| <b>CPU</b>                 | Intel® Atom™ Z530P 1.6GHz processor      |
| <b>Graphics Controller</b> | Intel® GMA 500                           |
| <b>Memory</b>              | 2GB DDR2 SO-DIMM memory module installed |
| <b>Chipset</b>             | Intel® System Controller Hub US15WPT     |
| <b>BIOS</b>                | AMI BIOS                                 |
|                            | 1 x Integrated microphone                |
| <b>Audio</b>               | 1 x Integrated 2W speaker                |
|                            | 1 x Earphone jack                        |
| <b>Storage</b>             | 1 x 32GB 1.8" SSD                        |

### Peripherals and Devices

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Camera</b>          | 1 x 2.0 megapixels Auto Focus CMOS camera                                                                 |
| <b>RFID</b>            | Integrated 13.56MHz, ISO 15693/14443A/14443B RFID Reader (distance: 3~5cm; speed: 5 cards/sec) (optional) |
| <b>Wi-Fi</b>           | Integrated WLAN 802.11 b/g/n                                                                              |
| <b>Bluetooth</b>       | Integrated Bluetooth 2.1 + EDR                                                                            |
| <b>GSM/UMTS</b>        | Optional HSPA module (3.75G) for GSM/GPRS/EDGE, EV-DO networks                                            |
| <b>Barcode Scanner</b> | 1 x 1D/2D Barcode scanner (optional)                                                                      |
| <b>MSR</b>             | Integrated Magnetic Stripe Reader (optional)                                                              |

### I/O Interface

|                     |                                                  |
|---------------------|--------------------------------------------------|
| <b>USB Port</b>     | 1 x USB 2.0 port                                 |
| <b>SD Card</b>      | 1 x SD/SDHC slot                                 |
| <b>Docking Port</b> | 1 x 35-pin pogo connector for docking connection |
| <b>Expansion</b>    | 1 x ExpressCard/34 or USB 2.0                    |

### Button & Indicator

|                      |                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function Key</b>  | 10 x Numeric keys (0 ~ 9); 1 x Enter key; 1 x 4-way arrow keys; 4 x Function keys; 1 x ESC key; 1 x Backspace key; 1 x Dot (.) key; 1 x Brightness control key; |
| <b>Power Button</b>  | 1 x Power on/off button                                                                                                                                         |
|                      | 1 x Battery LED                                                                                                                                                 |
| <b>LED Indicator</b> | 1 x RFID (optional)/HSPA (optional) LED                                                                                                                         |
|                      | 1 x Bluetooth (optional) LED                                                                                                                                    |

### LCD Display

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Size/Type</b>            | 10.4" AFFS+ TFT Active Matrix Panel |
| <b>Max. Resolution</b>      | 1024 x 768 (XGA) w/ 262,144 colors  |
| <b>Luminance</b>            | 340 cd/m² (typ.)                    |
|                             | 800 cd/m² (typ.) for G1050S         |
| <b>Contrast Ratio</b>       | 600 :1                              |
| <b>View Angle (U/D/R/L)</b> | 89°/89°/89°/89°                     |
| <b>Backlight Type</b>       | LED                                 |

### Touch Screen

|                             |                                         |
|-----------------------------|-----------------------------------------|
| <b>Type</b>                 | Analog Resistive Touch for G1050/G1050S |
|                             | Projected Capacitive Touch for G1050C   |
| <b>Light Transparency</b>   | 80% (typ.)                              |
| <b>Controller Interface</b> | USB Interface                           |

### Power Supply

|                               |                                          |
|-------------------------------|------------------------------------------|
| <b>Adapter Input</b>          | 100 ~ 240VAC (Full Range)                |
| <b>Adapter Output</b>         | 19VDC, 3.42A, 65W                        |
| <b>Battery Type</b>           | Li-battery pack                          |
| <b>Battery Capacity</b>       | 1 x 1880mAh 3-cell internal battery pack |
|                               | 1 x 2500mAh 4-cell external battery pack |
| <b>Battery Operating Time</b> | 8 hours (typ.)                           |

### Mechanical & Environmental

|                               |                                            |
|-------------------------------|--------------------------------------------|
| <b>Operating Temp.</b>        | -20 ~ 45°C (-4 ~ 113°F)                    |
| <b>Storage Temp.</b>          | -20 ~ 60°C (-4 ~ 140°F)                    |
| <b>Discharging Temp.</b>      | -20 ~ 45°C (-4 ~ 113°F)                    |
| <b>Charging Temp.</b>         | 0 ~ 40°C (32 ~ 104°F)                      |
| <b>Operating Humidity</b>     | 10 ~ 95% @ 45°C (non-condensing)           |
| <b>Dimensions (W x D x H)</b> | 205 x 294 x 25 mm (8.07" x 11.57" x 0.98") |
| <b>Gross Weight</b>           | 1.1 kg (2.2 lb) for G1050-Lite             |
| <b>Vibration</b>              | 3 Grms/ 5 ~ 500Hz/ random operation        |
| <b>Shock</b>                  | 40G peak acceleration (11 ms duration)     |
| <b>Transit Drop</b>           | 4 ft., except the front side               |
| <b>IP Rating</b>              | IP54 (whole unit)                          |
| <b>Regulatory</b>             | CE/FCC Class B                             |

### OS Support

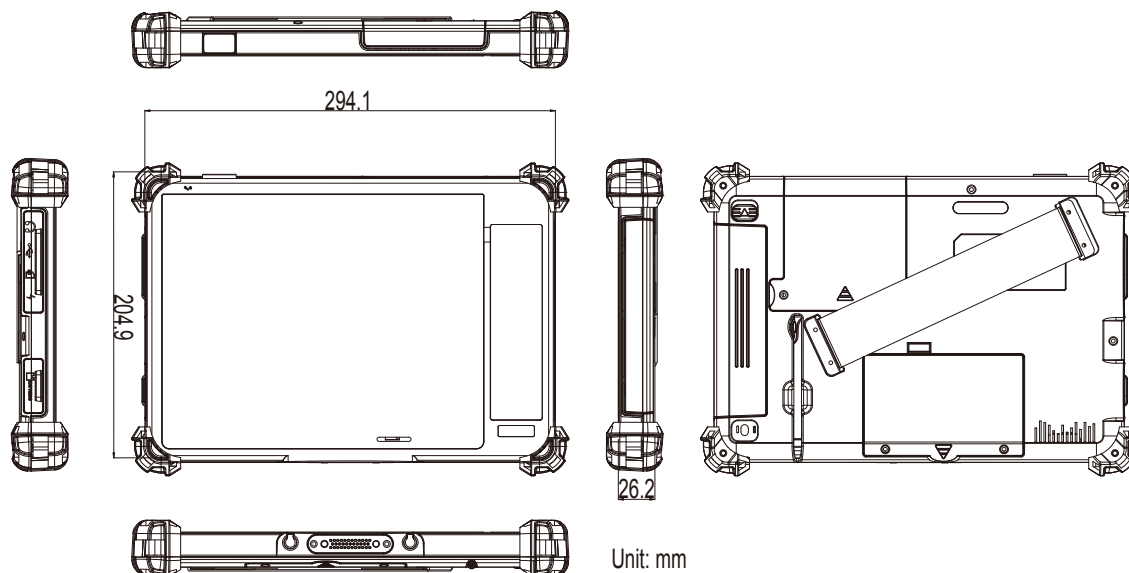
Windows 7 Embedded / Windows 7 Professional  
Windows XP Embedded / Windows XP Professional

### Ordering Information

|                    |                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>G1050-Full</b>  | 10.4" Intel® Atom™ Z530P rugged tablet PC with dual battery packs, camera, Bluetooth, Wi-Fi, HSPA, RFID reader and barcode scanner                            |
| <b>G1050-Lite</b>  | 10.4" Intel® Atom™ Z530P rugged tablet PC with external battery pack and Wi-Fi                                                                                |
| <b>G1050S-Full</b> | 10.4" Intel® Atom™ Z530P rugged tablet PC with dual battery packs, camera, Bluetooth, Wi-Fi, HSPA, RFID reader, barcode scanner and sunlight readable display |
| <b>G1050S-Lite</b> | 10.4" Intel® Atom™ Z530P rugged tablet PC with external battery pack, Wi-Fi and sunlight readable display                                                     |
| <b>G1050C</b>      | 10.4" Intel® Atom™ Z530P rugged tablet PC with projected capacitive touch screen, dual battery packs, camera, Wi-Fi and Bluetooth                             |

All specifications are subject to change without notice.

## Dimensions



### Standard Accessories

**Power Adapter** 19V/3.42A 65W AC/DC Adapter Kit

**Hand Strap** 212mm Black Elastic Hand Strap

**Stylus** For Touch Screen

**eBAT-1050** 2500mAh External Battery Pack

### Optional Accessories

**Power Adapter** 19V/3.42A 65W AC/DC Adapter Kit

**SST-0720** Shoulder Strap, 128 x 3.7cm

**eBAT-1050** 2500mAh External Battery Pack

**iBAT-1040** 3-Cell 1880mAh Internal Battery kit

**NST-1050** Neck Strap, 120 x 4 x 0.6 cm

**VSB-100** VESA-75 to VESA-100 Adapter Bracket

**VMB-1050** VESA Mount Bracket for G1050

**DTC-1050** Desktop Cradle for G1050/G1050S

**CHR-1050** Dual-Bay External Battery Charger

### Optional Configuration (CTOS\* Kit)

**UDG-1050** USB Dongle Kit

**RFID-1050** 13.56MHz RFID Kit

**BarC-1050** 1D/2D Barcode Scanner Kit

**HSUPA-1050** 3.75G HSUPA Wireless Kit

**GRS-1050** GPS and RS-232 2in1 Kit

**SRS-1050** Smart Card Reader and RS-232 2in1 Kit

**MSR-1050** MSR Module Kit

\*CTOS means Configure-to-Order Service.

\*The GRS, SRS and MSR cannot co-exist on the computer as they occupy the same installation position. Please select any one of them.

All specifications are subject to change without notice.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ARBOR Technology:](#)

[G1050-Medium](#) [G1050S-Full](#) [G1050-Full](#) [G1050S-Lite](#) [G1050-Lite](#)