# Gladius G1052C

## 10.4" Intel® Celeron® N2930 Rugged Tablet PC



## Features

- 10.4" AFFS+ TFT Active Matrix with Capacitive Touch Panel
- Ultra low power consumption
- Fully rugged for mobile POS or warehousing application
- Meeting MIL-STD-810G, IP54, 4 ft. drop resistance
- High mobility, multiple connectivity (Bluetooth/WLAN/WWAN)
- Identification devices (barcode scanner, RFID & NFC 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

| | |
|---|---|
| CPU | Intel® Celeron® Processor N2930 quad-core 1.83 GHz |
| Graphics Controller | Intel® HD Graphics |
| Memory | 2GB DDR3L SO-DIMM memory module installed (optional up to 8GB) |
| BIOS | UEFI BIOS |
| Audio | 1 x microphone |
| | 1 x 2W speaker |
| | 1 x Earphone jack |
| Storage | 1 x 32GB MLC mSATA SSD |

### Peripherals and Devices

| | |
|---|---|
| Camera | 1 x 5.0 MP rear AF CMOS camera with LED (optional) |
| WLAN & Bluetooth | 1 x WLAN 802.11 a/b/g/n & Bluetooth 4.0 LE, class 2 |
| RFID & NFC | 1 x 13.56MHz, ISO 15693/14443A/ 14443B RFID & NFC Reader (distance: 3~5cm; speed: 5 cards/sec) (optional) |
| WWAN | HSUPA / HSPA+/ LTE (BTO) |
| Barcode Scanner | 1 x 1D/2D Barcode scanner (optional) |
| MSR | 1x Magnetic Stripe Reader (BTO) |
| Smart Card Reader | 1x Smart Card Reader (BTO) |
| GPS | U-BLOX 6 GPS Receiver (BTO) |

### I/O Interface

| | |
|---|---|
| USB Port | 1 x USB 3.0 Type-A port |
| SD Card | 1 x SD/SDHC/SDXC slot |
| Docking Port | 1 x 35-pin pogo connector for docking connection |
| Expansion | 1 x USB 2.0 Type-A or USB Sensor Hub |

### Button & Indicator

| | | |
|---|---|---|
| Function Key | 10 x Numeric keys (0 ~ 9); | 1 x Ctrl key; |
| | 1 x Enter key; | 1 x Backspace; |
| | 1 x 4-way navigation key; | 1 x Dot (.) key; |
| | 4 x Function keys; | 1 x Brightness key; |
| Power Button | 1 x Power on/off button | |
| LED Indicator | 1 x Battery LED | |
| | 1 x WLAN/RFID LED | |
| | 1 x Bluetooth/WWAN LED | |

### Touch Screen

| | |
|---|---|
| Type | 10-Point Projected Capacitive Touch with Corning® Gorilla Glass |
| Light Transparency | 80% (typ.) |
| Controller Interface | USB Interface |

### LCD Display

| | |
|---|---|
| Size/Type | 10.4" XGA TFT color LCD with LED backlight |
| Max. Resolution | 1024 x 768 (XGA) w/ 262,144 colors |
| Luminance | 340 cd/m² (typ.) |
| Contrast Ratio | 600 :1 |
| View Angle (U/D/R/L) | 89°/89°/89°/89° |
| Backlight Type | LED |

### Power Supply

| | |
|---|---|
| Adapter Input | 100 ~ 240VAC (full range) |
| Adapter Output | 19VDC, 3.42A, 65W |
| Battery Type | Li-battery pack |
| Battery Capacity | 1 x 2500mAh 4-cell external battery pack |
| | 1 x 1880mAh 3-cell internal battery pack (optional) |
| Battery Life | Up to 8 hours (depends on configuration and use) |

### Mechanical & Environmental

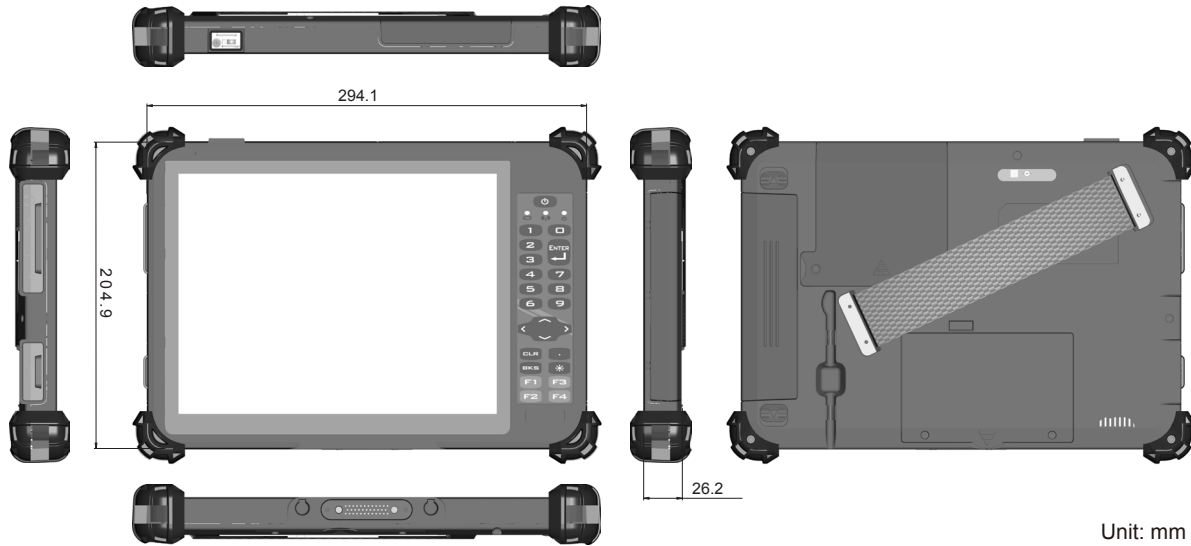| | |
|---|---|
| Operating Temp. | -20 ~ 45ºC (-4 ~ 113ºF) |
| Storage Temp. | -20 ~ 60ºC (-4 ~ 140ºF) |
| Discharging Temp. | -20 ~ 45ºC (-4 ~ 113ºF) |
| Charging Temp. | 0 ~ 40ºC (32 ~ 104ºF) |
| Operating Humidity | 10 ~ 95% @ 45ºC (non-condensing) |
| Dimensions (W x H x D) | 204.9 x 294.1 x 26.2 mm (8.07" x 11.57" x 0.98") |
| Gross Weight | 1.2 kg (2.64 lb) w/o 2-cell internal battery pack |
| Vibration | 20 to 1000 Hz @ 1 grms per MIL-STD 810G (operating) |
| | 20 to 1000 Hz @ 3 grms per MIL-STD 810G (non-operating) |
| Shock | 11 ms @ 20G per MIL-STD 810G for unit only (operating) |
| | 11 ms @ 40G per MIL-STD 810G for unit only (non-operating) |
| Transit Drop | 1.2m (4ft.) per MIL-STD-810G for whole unit |
| IP Rating | IP54 |
| Regulatory | CE:  EN55022 class B |
| | FCC 47 CFR, Part 15 Subpart B |

### OS Support

Windows Embedded 7 / Windows 7 Professional
Windows Embedded Standard 8.0 / Windows Embedded 8.1 Industry Pro / Windows 8.1 Professional
Windows 10 IoT Enterprise 2016 LTSB
Linux: Ubuntu

### Ordering Information

| | |
|---|---|
| G1052C | 10.4" Intel® Celeron® N2930 rugged tablet PC with projected capacitive touch, battery pack, WLAN and Bluetooth |
| G1052CS | 10.4" Intel® Celeron® N2930 rugged tablet PC with projected capacitive touch, battery pack, WLAN and Bluetooth, and sunlight readable display (800 nits) |

ARBOR
www.arbor-technology.com

## Dimensions

294.1

204.9

26.2

Unit: mm

## Standard Accessories

| Power Adapter | 19V/3.42A 65W AC/DC adapter kit |
| Hand Strap | 212mm black elastic hand strap |
| eBAT-1050 | 2500mAh 4-cell external battery pack for G105X |
| Touch Pen | Capacitive touch pen |

## Optional Accessories

| Power Adapter | 19V/3.42A 65W AC/DC adapter kit |
| SST-0720 | Shoulder strap, 128 x 3.7cm |
| eBAT-1050 | 2500mAh 4-cell external battery pack for G105X |
| iBAT-1040 | 1880mAh 3-cell internal battery pack for G105X |
| NST-1050 | Neck Strap, 120 x 4 x 0.6 cm for G105X |
| VSB-100 | VESA-75 to VESA-100 adapter bracket |
| VMB-1050 | VESA mount bracket for G105X |
| DTC-1050 | Desktop cradle for G105X |
| CHR-1050 | Dual-bay external battery charger for G105X |

## Optional Configuration (CTOS/BTO* Kit) (Not Sold Separately)

| UDG-1050 | USB dongle kit (BTO) |
| BarC-1052 | 1D/2D barcode scanner kit |
| HSUPA-1052 | 3.75G HSUPA wireless kit (BTO) |
| GRS-1050 | GPS and RS-232 2-in-1 kit (BTO) |
| SRS-1050 | Smart Card Reader and RS-232 2-in-1 kit (BTO) |
| MSR-1050 | MSR module kit (BTO) |
| RFID & NFC-1050 | 13.56MHz RFID & NFC kit |
| CAM-1052 | 5.0M rear CMOS camera kit |
| LTE-1052 | 4G LTE Wireless Kit (BTO) |

*CTOS means Configure-to-Order Service.BTO means Build-to-Order.*
Note:The GRS, SRS and MSR cannot co-exist on the computer as they occupy the same installation position. Please select any one of them.