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# Gladius G1220
# 12.1" Rugged Tablet PC with Intel® Atom™ N2600 Processor

## Features

- 12.1” TFT active matrix
- Resistive touch
- Ultra low power consumption for 6-hour battery life
- Fully rugged for mobile POS or warehousing application
- Meeting MIL-STD-810F, IP54, 3ft. Drop Resistance
- Hot-swappable redundant dual batteries
- High mobility with multiple connectivity (Bluetooth/WLAN)

## Specifications

### System

| | |
|---|---|
| CPU | Intel® Atom™ N2600 1.6GHz processor |
| Graphics Controller | Intel® GMA3600 |
| Memory | 2GB DDR3 SO-DIMM memory module installed |
| Chipset | Intel® NM10 |
| BIOS | AMI Aptio® UEFI BIOS |
| Audio | 1 x Integrated microphone |
| | 2 x Integrated 2W speakers |
| | 1 x Earphone jack |
| | 1 x Microphone jack |
| Storage | 1 x 32GB MLC SSD |
| | 1 x 2.5” HDD/SSD Drive (optional) |

### Peripherals and Devices

| | |
|---|---|
| Camera | 1 x 5.0 megapixels rear-facing Auto Focus CMOS camera w/o LED (optional) |
| Wi-Fi | Integrated WLAN 802.11 a/b/g/n |
| Bluetooth | Integrated Bluetooth 4.0 BLE, Class II |

### I/O Interface

| | |
|---|---|
| USB Port | 4 x USB 2.0 ports |
| Serial Port | 1 x 20-pin connector for two RS-232 ports |
| Ethernet | 1 x RJ45 GbE LAN |
| Docking Port | 1 x 35-pin pogo connector for docking connection |
| SD Card | 1 x SDHC/SD card slot |

### Button & Indicator

| | |
|---|---|
| Function Key | 4 x Function keys |
| Power Button | 1 x Power on/off button |
| LED Indicator | 2 x Battery LEDs |
| | 1 x HDD/SSD Active LED |
| | 1 x Power LED |

### Touch Screen

| | |
|---|---|
| Type | Analog resistive touch |
| Light Transparency | 80% |
| Controller Interface | USB Interface |

### LCD Display

| | |
|---|---|
| Size/Type | 12.1" TFT Active Matrix Panel |
| Max. Resolution | 1024 x 768 (XGA) with 16.2M colors |
| Luminance | 500 cd/m$^2$ (typ.) |
| Contrast Ratio | 700 :1 |
| View Angle (U/D/R/L) | 70°/70°/80°/80° |
| Backlight Type | LED |

### Power Supply

| | |
|---|---|
| Adapter Input | 100 ~ 240VAC (Full Range) |
| Adapter Output | 19VDC, 4.74A, 90W |
| Battery Type | Li-battery pack |
| Battery Capacity | 2 x 1880mAh 4-cell external battery packs |
| Battery Operating Time | 6 hours (typ.) |

### Mechanical & Environmental

| | |
|---|---|
| Operating Temp. | -20 ~ 40ºC (-4 ~ 104ºF) |
| Charging Temp. | 0 ~ 40ºC (32 ~ 104ºF) |
| Storage Temp. | -20 ~ 60°C (-4 ~ 140°F) |
| Operating Humidity | 10 ~ 95% @ 40ºC (non-condensing) |
| Dimensions (W x D x H) | 320 x 246 x 29.5 mm (12.60" x 9.69" x 1.16") |
| Gross Weight | 1.9 Kg (4.19 lb) |
| Vibration | 3 Grms/ 5 ~ 500Hz/ random operation |
| Shock | 40G peak acceleration (11 ms duration) |
| Transit Drop | 3 ft., except the front side |
| IP Rating | IP-54 (whole unit) |
| Regulatory | CE/FCC Class B, VCCI, PSE and TELEC certified |

### OS Support

Windows 7 Embedded / Windows 7 Professional
Ubuntu and Fedora Linux compatible

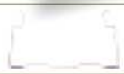
### Ordering Information

| | |
|---|---|
| G1220 | 12.1" Intel® Cedar Trail N2600 Rugged Tablet PC with dual external battery packs, Bluetooth and WiFi |

## Standard Accessories

| | | |
|---|---|---|
| PAC-G090W | 20V/4.5A 90W AC/DC Adapter Kit | |
| BAT-G1220 | 2 x Gray 1880mAh External Battery Kit | |
| Stylus | Touch Screen Stylus (with rope) | |
| RS232 COM Cable | 1-to-2 RS232 Cable | |

## Optional Accessories

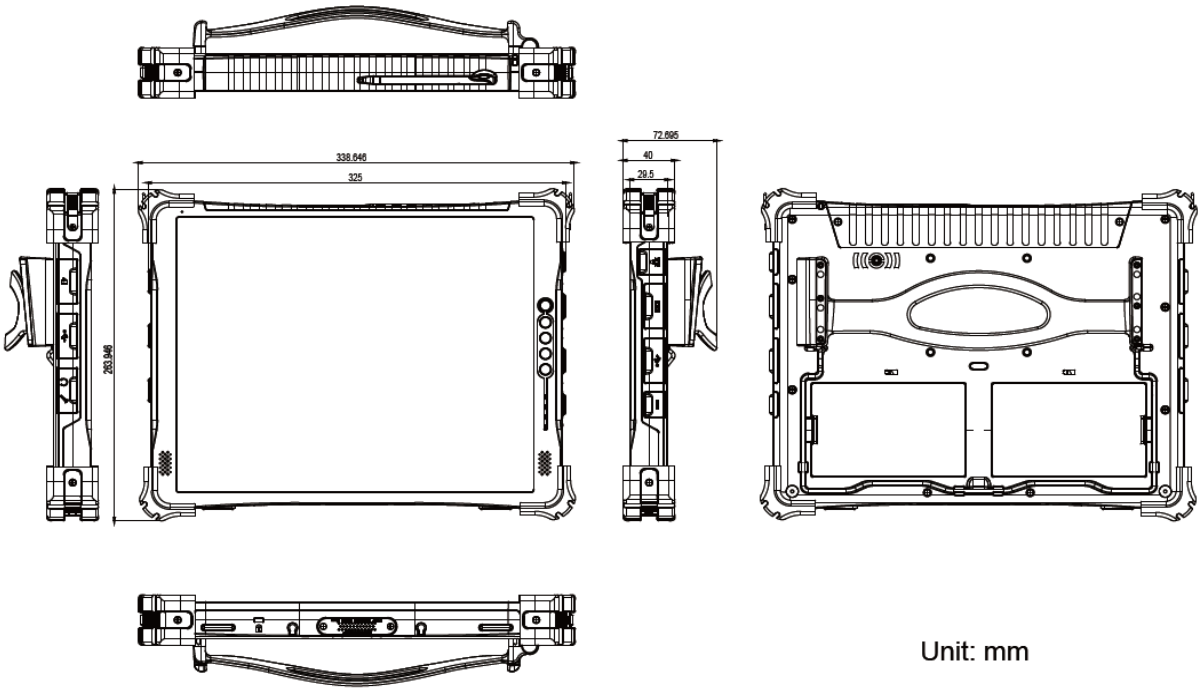
| | | |
|---|---|---|
| PAC-G090W | 20V/4.5A 90W AC/DC Adapter Kit | |
| eBAT-1220 | Battery Kit for G1220 (2 packs) | |
| Stylus | Touch Screen Stylus | |
| Stand-1220 | Desktop Stand |  |
| HST-1220 | For one-handed hold of the computer | |
| SST-1220 | Shoulder Strap, 128 x 3.7cm | |
| RS232 COM Cable | 1-to-2 RS232 Cable | |

## Optional Configuration (CTOS* Kit)

| | | |
|---|---|---|
| HDD320G-1220 | 320GB HDD Kit | |
| CAM-1220 | 5.0M Rear CMOS Camera Kit | |

**CTOS means Configure-to-Order Service.*

## Dimensions




Unit: mm