

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

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

Peripherals and Devices

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

I/O Interface

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

Button & Indicator

Function Key	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;
Power Button	1 x Power on/off button
	1 x Battery LED
LED Indicator	1 x RFID (optional)/HSUPA (optional) LED
	1 x Bluetooth (optional) LED

LCD Display

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

Touch Screen

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

Power Supply

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

Mechanical & Environmental

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

OS Support

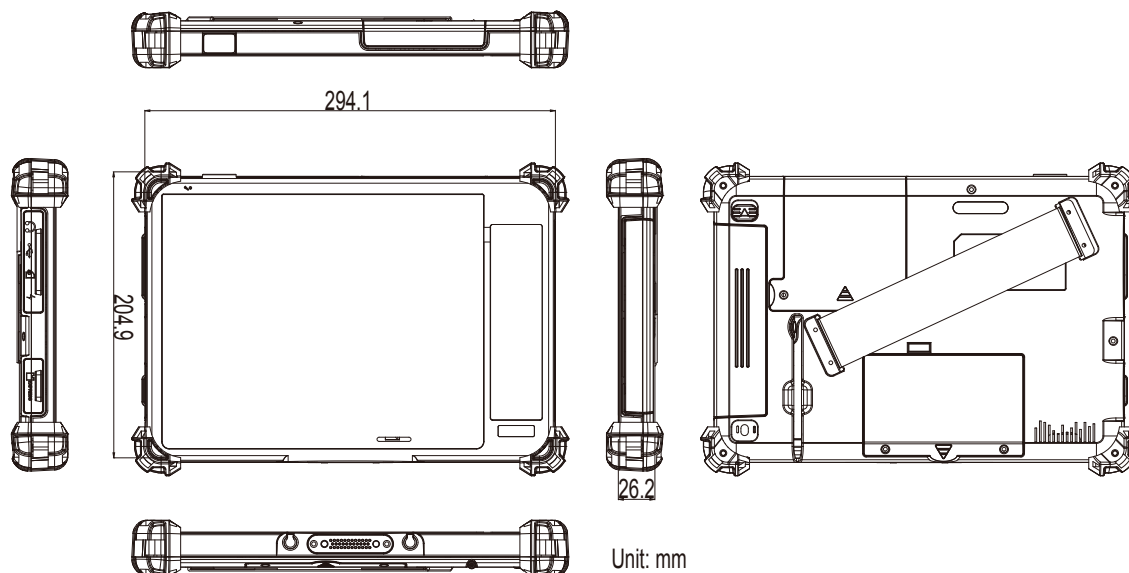
Windows 7 Embedded / Windows 7 Professional
Windows XP Embedded / Windows XP Professional

Ordering Information

G1050-Full	10.4" Intel® Atom™ Z530P rugged tablet PC with dual battery packs, camera, Bluetooth, Wi-Fi, HSUPA, RFID reader and barcode scanner
G1050-Lite	10.4" Intel® Atom™ Z530P rugged tablet PC with external battery pack and Wi-Fi
G1050S-Full	10.4" Intel® Atom™ Z530P rugged tablet PC with dual battery packs, camera, Bluetooth, Wi-Fi, HSUPA, RFID reader, barcode scanner and sunlight readable display
G1050S-Lite	10.4" Intel® Atom™ Z530P rugged tablet PC with external battery pack, Wi-Fi and sunlight readable display
G1050C	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](#)