

Gladius G0820

8" Intel® Atom™ Z530P Rugged Tablet PC



Features

- 8" TFT Active Matrix Sunlight-readable Touch Panel
- Ultra Low Power Consumption
- Fully Rugged for Mobile POS/Warehousing/Vehicle Computer Application
- Meeting MIL-STD-810F, Whole Machine IP54 Grade, 6 ft. Drop Resistance
- High Mobility, Multi-network Connectivity (Bluetooth/WLAN/HSUPA 3.75G/GPS)
- Multi-identification Devices (Barcode, RFID)
- Hot-swappable Redundant Dual-batteries

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

Audio 1 x Integrated microphone
1 x Integrated 1.5W speaker

Storage 1 x 32GB 1.8" SATA SSD

Peripherals and Devices

Camera 1 x 2.0 megapixels AF CMOS camera

RFID Integrated 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

GPS Integrated GPS receiver (optional)

Barcode Scanner Integrated 1D/2D Barcode Scanner (optional)

SIM Socket 1 x SIM socket (located underneath the battery pack)

Hand Strap 1 x Black elastic hand strap

I/O Interface

Serial Port 1 x RS-232 port

USB Port 2 x USB 2.0 ports

Docking Port 1 x 35-pin pogo connector for docking connection

Button & Indicator

Function Key 6 x Function keys

2 x Menu buttons on the front

2 x Barcode Scanner trigger button on the sides

Power Button 1 x Power on/off button on the right side

LCD Display

Size/Type 8" active matrix TFT

Max. Resolution 1024 x 768 (XGA) w/ 16.2M colors

Luminance 700 cd/m² (typ.)

Contrast Ratio 700 : 1

View Angle (U/D/R/L) 30°/30°/30°/30°

Backlight Type LED

Touch Screen

Type Analog Resistive Touch

Light Transparency 76% (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 2 x 2500mAh 3-cell

Battery Operating Time 8 hours (typ.)

Mechanical & Environmental

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) 188 x 240 x 47 mm (7.4" x 9.45" x 1.85")

Gross Weight 1.8 kg (3.9 lb)

Vibration 3 Grms/ 5 ~ 500Hz/ random operation

Shock 75G peak acceleration (11 ms duration)

Transit Drop 6 ft. (182 cm) drop to concrete

IP Rating IP54 (whole unit)

Regulatory CE/FCC Class B Certified

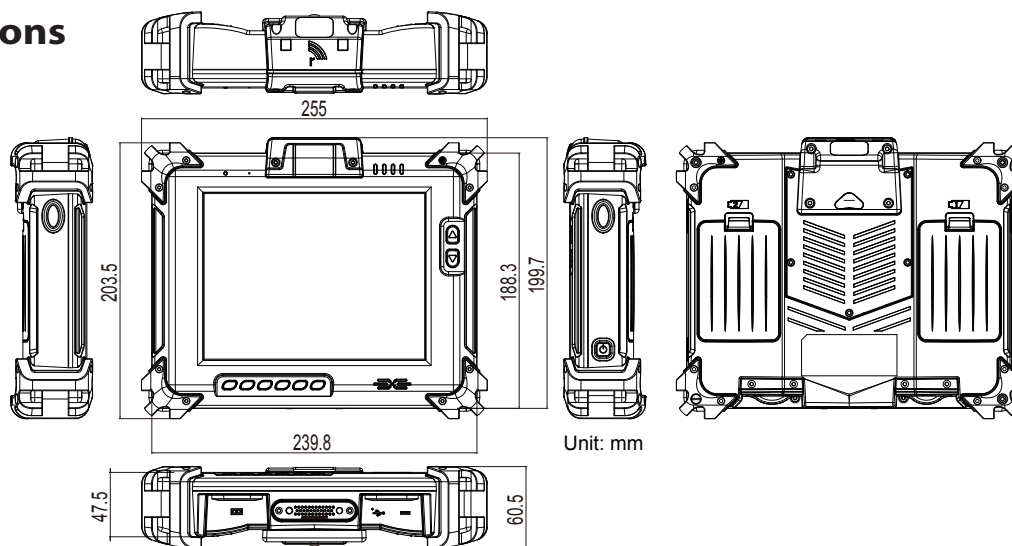
OS Support

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

Ordering Information

G0820-Medium 8" Intel® Atom™ Z530P rugged tablet PC w/ camera, Bluetooth, WiFi

Dimensions



Standard Accessories

Power Adapter	19V/3.4A 64.6W AC/DC Adapter Kit	
eBAT-0720	2 x 2500mAh External Battery Packs	
HST-0720-P	1 x G0720 Hand Strap w/ Pocket	
Stylus	For Touch Screen	

Optional Accessories

VMC-0720	Vehicle Mount Cradle	
CHR-0720	Dual-Bay External Battery Charger	
HST-0720	G0720 Hand Strap	
SST-0720	Shoulder Strap, 128 x 3.7cm	
eBAT-0720	2500mAh External Battery Pack	

Optional Configuration (CTOS* Kit)

RFID-0720	13.56MHz RFID Kit	
BarC-0720	1D/2D Barcode Scanner Kit	
HSUPA-0720	3.75G HSUPA Wireless Kit	
GPS-0820M	GPS Kit for G0820	



*CTOS means Configure-to-Order Service.

*GPS can only be installed when both Barcode and RFID are removed.

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