

# M5 Infinity Ruggedbook Series of Mobile Computing Systems

Infinity 



The M5 with its magnesium construction is made to last. Added and with its corner mounted rubber bumpers, the M5 has passed a variety of MIL-STD-810F/810G testing, both in-house and through SGS Group external testing.



## HOW DOES YOUR CURRENT MOBILE OR PORTABLE COMPUTER COMPARE?

Passed, the MILSTD 810G Method 516.6 Procedure VI "drop test" that includes 26 drops to a concrete floor on each face, edge and corner from 48 inches. Also passed mechanical shock, random vibration, temperature/humidity cycling as well as high/low temperature tests.

As far as sealing against the elements goes, the M5 carries IP65 ingress protection where the "6" means the unit is totally protected against dust, and the "5" means the machine is protected against low pressure water jets from all directions with all connection flaps in place although limited ingress is permitted.

The standard operating temperature range is hard disk or solid state drive dependent. Typically this is 41 to 155 degrees Fahrenheit for hard disk versions, and 10 to 160 degrees Fahrenheit for systems equipped with a solid state drive (SSD).

Powered by Intel's Atom Z530P Processor architecture the Atom generates less heat and used less power than traditional Intel chipsets and uses only about 2.3 watts, which means the total power consumption of the CPU and chipset combined is only a fraction of what conventional Intel notebook processors and chipsets use.

END RESULT: The compact M5 with its ultra bright display and operating at 1.6 GHz CPU speed and with its standard 38 watt-hour battery lasts 5.75 hours providing the Power of Mobility to meet the needs of many end users.

**From Infinity, Effective, Reliable, Portable Computing Solutions**, the M5 has been designed for deployment in the field as well as in vehicles where battery life, processing power and application flexibility is needed.

Ideal for fire ground, military, search and rescue and other deployments, this sealed, MILSPEC rated tablet PC is ideal for tactical and strategic organization and planning in mission critical applications.

This IP 67 rated sealed with no fan or filters to clean or maintain, the M5 provides for reliable operation and is not affected by dust, humidity, or rain. An optional solid state drive provides for reliable operation even under extreme vibration.

Unlike portable laptops that may affect driver safety whenever an airbag is deployed if a vehicle is involved in an accident, this unit mounts outside of the airbag zone in a vehicle.

With an ultra bright screen for use outdoors the M5 is a safe mobile or portable computing system that will not let you down!



**The M5, Your best partner in the field where reliability is paramount in field operations and communications.**

# PRODUCT SPECIFICATIONS

<b>Type:</b>	Rugged Tablet PC (fanless design)
<b>Chassis/housing:</b>	Magnesium alloy chassis/housing, rubber bumpers
<b>Processor:</b>	1.6GHz Intel Atom Z530P with 512KB L2 cache and 533MHz FSB Graphics/chipset: Intel "Poulsbo" System Controller Hub US15WP, Intel Graphics Media Accelerator 500 (Intel GMA 500) with 3D graphics (integrated in US15WP)
<b>Thermal Design Power:</b>	2.3 watts
<b>OS:</b>	Windows XP Tablet PC Edition
<b>Memory:</b>	2GB DDR2 800MHz in one slot
<b>Display:</b>	8.9" WSVGA (1024 X 600 pixel TFT w/LED backlighting, sunlight readable screen, w/ combination digitizer and resistive type touch screen with WACOM stylus. (Optional model w/10.4" display, Consult for model details)
<b>Digitizer/Pens:</b>	4-wire resistive touch screen
<b>Keyboard:</b>	Onscreen keyboard
<b>Storage (Standard):</b>	60 GB shock mounted, 1.8-inch 4200rpm PATA hard disk (Toshiba MK6028GAL); Other Disks such as IBM/Hitachi Endurostar optional
<b>Solid State Disk (Optional):</b>	16/32GB
<b>Expansions slots:</b>	1 SD Card + 1 SIM
<b>Size:</b>	10.1" x 6.2" x 1.5" (inc. rubber bumpers)
<b>Weight:</b>	2.9 pounds, (with battery and bumpers)
<b>Ruggedness:</b>	Shock (SSD): MIL-STD 810G, 506.6 VI: 4-foot drop, over concrete, onto each edge, face and corner (26 drops total); Mechanical shock (SSD) MIL-STD 810GF, 516.5 Procedure I: 40G saw tooth pulse while operating (3 shocks each axis, 18 total); Vibration: random wave forms 1-200Hz 90 min per axis.
<b>Ingress Protection:</b>	IP65
<b>Operating Temperature:</b>	(Hard Disk or SSD Drive Dependent): 32 to 140 degrees Fahrenheit (SSD), 41 to 122 degrees Fahrenheit (HD);
<b>Temperature/humidity:</b>	MIL-STD-801G, Method 507.5; Altitude 15,000 feet operating per MIL-STD-810G, Method 500.5, Procedure II
<b>Power:</b>	Dual 7.4 Volt, 5,200mAh 38 watt-hour, Li-Ion battery system ("6 hours")
<b>Communications:</b>	Wireless options: 802.11b/g/n WiFi, Bluetooth V2.1 + EDR (Class 2); optional integrated 50-channel uBlox GPS, 1D or 1D/2D barcode scanner, HSUPA/E-GPRS 3G mobile broad band (WWAN uses mini-PCIe slot)
<b>Interface:</b>	2 USB 2.0, 1 RS232 (or optional barcode scanner), RJ45, VGA, audio in/out, integrated 2-megapixel camera

## Comes standard with these available ports for the ultimate in computing flexibility:

QTY 2: USB 2.0	QTY 1: RJ45 LAN
QTY 1: VGA RJ45	QTY 1: Serial DB 9 connection
QTY 2 audio jacks	QTY 1: Multi pin for docking station



Shown with optional universal mount

Shown with optional vehicle docking station this provides users with three additional USB ports, an RS232 serial port, a LAN port, and a DC power connection.



**Kirmuss & Associates**  
**Consultants**

Worldwide Technologies Direct  
Infinity Advanced Technologies

P: 303.263.6353

F: 303.862.7170

Email: ckirmuss@frontier.net

6830 N Broadway, Suite J • Denver, Colorado USA 80221

[www.wwtechnologiesdirect.com](http://www.wwtechnologiesdirect.com)

**Distributed by:**

