



## Rugged Handheld Winmate E430MG

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<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	Winmate
<b>Operating System:</b>	Yes - Android 2.3
<b>Display:</b>	4.3" (800x480) LED
<b>Brightness:</b>	270nit
<b>Processor:</b>	ARM 11 650MHz
<b>Memory:</b>	512MB
<b>Hard Drive:</b>	512 MB Flash
<b>Touch screen:</b>	Yes - Touch Capacitive
<b>Durability:</b>	MIL-STD 810G
<b>Drop:</b>	MIL-STD-810G Metod 516.6
<b>Shock:</b>	MIL-STD-810G Metod 516.6
<b>Vibration:</b>	MIL-STD-810G Metod 514.6
<b>Temperature:</b>	Operating temperature: -10°C - 60°C, Storage temperature: -10°C - 60°C
<b>Humidity:</b>	95% non-condensation
<b>1D barcode scanner (reader):</b>	No

<b>2D barcode scanner (reader):</b>	No
<b>RFID scanner (reader):</b>	No
<b>Other:</b>	Optional warranty up to 3 years
<b>Battery:</b>	Li-Ion 2400mAh, adapter 5V/1A
<b>Working time on battery:</b>	up to 8h
<b>Fast battery replacement ability:</b>	No
<b>HotSwap battery:</b>	No
<b>LAN:</b>	No
<b>WLAN:</b>	Yes - WiFi b/g/n
<b>Bluetooth:</b>	Yes - (2.1+ EDR)
<b>WAN:</b>	Yes - 3G
<b>GPS:</b>	Yes
<b>Camera:</b>	Yes - 2MPx front and 5Mpix rear
<b>In/Out:</b>	1x micro USB (typ B), 1x audio output
<b>Optional accessories:</b>	Barcode scanner, Car holder, Car charger
<b>Docking station connector:</b>	No
<b>VESA standard – holders and mounts support:</b>	No
<b>COM port:</b>	No
<b>Magnetic card reader (MSR):</b>	No
<b>Microchip card reader:</b>	No
<b>Contrast:</b>	800:1
<b>Graphics card:</b>	-----
<b>Chipset:</b>	-----
<b>BIOS:</b>	-----
<b>Casing material:</b>	plastic
<b>Flash Card Reader:</b>	Yes - micro SD up to 32GB
<b>CD/DVD:</b>	No
<b>Audio:</b>	1.2W - Mono

<b>Keyboard:</b>	No
<b>Additional Navigation Devices :</b>	Yes - Function keys
<b>Color:</b>	black-yellow
<b>Swivel Hinge:</b>	No
<b>VGA out:</b>	No
<b>TV Out:</b>	No
<b>TV Tuner:</b>	No
<b>Security:</b>	Gum case
<b>Waterproof:</b>	IP 67
<b>Sand and dust:</b>	IP 67
<b>Size:</b>	81.82 x 182.52 x 20.90 mm / 230g
<b>Fanless casing:</b>	Yes

**Product from the Archive - production finished**



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Founded in 1996, **Winmate** has achieved a fine reputation as a developer and manufacturer of rugged computers and industry panel LCD. Due to our product positioning in the high-tech and niche market, we have won many honors in computer product evaluation conducted throughout the world.



**Winmate** PCs are ideal gadget for mobile professionals. They enable you to take notes quickly and work in close spaces. Rugged Tablet PCs provide even more benefits for mobile professionals. **E430** is fully rugged and is certified for both military and industrial ruggedization standards.

## Description



(touchscreen and digitizer). In addition, IP67 certified design case, helps to ensure that the **E430** will stand up to the most rigorous environments.



## Guarantee

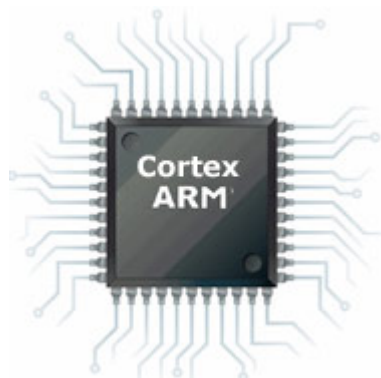
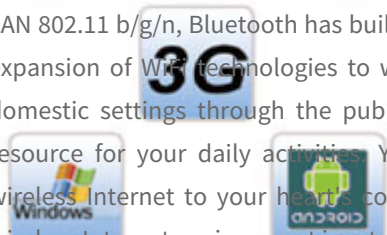
Winmate corporation give 1 years standard guarantee. Optional possibility 2 year or 3 years.



## Communications



Winmate supports the state of art wireless network feature. It basically supports the wireless LAN 802.11 b/g/n, Bluetooth has built-in option GPS and optional 3G HSDPA module. The great expansion of WiFi technologies to wireless connect to the Internet both in professional and domestic settings through the public or private hot-spots, make your **E430** an inseparable resource for your daily activities. You can enjoy the use of various wireless networks and wireless Internet to your heart's content with UMPC **E430** at any time and place where the wireless Internet environment is established.



## Processor and chipset

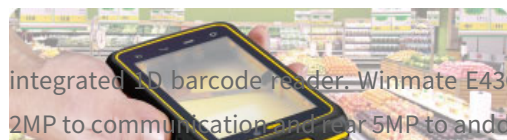
Winmate is supported Arm 11 650MHz processor, thanks to what it is usually energy-saving, keeping near this large efficiency of work.

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## Display

**E430** ships standard with a transfective sunlight viewable 4.3" LED 800x480 screen, ideal for high ambient light conditions standard 270 **nits** and Contrast 800:1. A built-in touch screen allows finger-touch inputs directly on the screen or the use of stylus pen for data input capability.



Barcode readers for data collection. In optional can be integrated 1D barcode reader. Winmate E430 PDA also received two internal cameras: front 2MP to communication and rear 5MP to and documentation photographic collection.

## Functionality









## Front View



## Back View



# Use

The **E430**, industrial rugged PDA is ideal solution for Government; industrial/commercial customers who are interested in the ability to work in rough environments yet maintain productivity without the risk of data or performance losses.

## Public Health Services



With Winmate 4.3" Handheld, doctors are able to quickly tracking patients medical records or diagnostic information with barcode reader without going back and forth between offices and wards. The compact size of 4.3" Handheld makes medical workers easier to carrying light-weight computer around and increasing work efficiency.

## High Mountain Engineering

For high mount engineering which requires multi-functional devices for all kinds of harsh environments, 4.3" Handheld assists engineers to utilize digital compass to determine direction as well as altimeter to estimate altitude. In addition, the digital camera with auxiliary LED backlight allows them to take photos during night time or dim environments.



## Warehousing

In warehousing industry, users are able to obtain product and inventory information by using

4.3" Handheld and transfer data back to the office with built-in 3G and WLAN.

## Mining Industry

Miners are frequently requested to work in high-temperature and inconvenient place. 4.3" Handheld optimizes all functions in a wide range of temperature from -10°C to 60°C. Furthermore with digital compass helps miners determine the right direction under ground.





## Public Safety And Security

In public safety industry, workers perform their works efficiently with the design of MIL-STD-810G and IP67 of 4.3" Handheld under harsh environments. Through 3G communication, workers can constantly report working status to office. Ensuring service level of public institution.

**Resistance standard**







Reliability is one of the most important factors to consider when choosing mobile solutions, which is why Getac ensures that its fully-rugged units operate even when dropped onto concrete, or used in harsh environmental conditions such as heat and cold, dust and rain. The rigorous testing that these units go through ensures that our clients are provided with products that meet the highest standards of ruggedness and reliability. Getac employs MIL-STD 810G to test its products. This standard, set by the US military, is the most widely used international standard.

MIL-STD 810G covers a broad range of tests used to measure equipment reliability:

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Device resistance standard:

### **High Temperature: MIL-STD 810G Method 501.5**

This test procedure determines a computer's operating performance during exposure to high temperature conditions. The operational test differs from the storage test in that the computer is evaluated while conditioned to elevated temperatures determined to be applicable to, or resulting from, exposure in its operational configuration.

### **Low Temperature: MIL-STD 810G Method 502.5**

This test determines the performance of the computer during exposure to low temperature conditions. The operational test differs from the storage test in that the computer is evaluated under cold conditions determined to be applicable to, or resulting from, exposure in its operational configuration.

### **Temperature Shock: MIL-STD 810G Method 503.5**

Temperature shock tests determine if an item can withstand sudden changes in the temperature of the surrounding atmosphere without experiencing physical damage or deterioration in performance.

The two objectives of the temperature shock test are set to determine whether the test item can still a) be safely operated, and b) satisfy its performance requirements, after being exposed to sudden changes in temperature of the surrounding atmosphere.

### **Rain: MIL-STD 810G Method 506.5**

Rain Resistance tests are performed to determine the resistance to rain and wind-driven rain.

### **Drop: MIL-STD 810G Method 516.6**

Free fall drop tests (shock) are performed to ensure that equipment can withstand relatively infrequent, non-repetitive shocks or transient vibrations encountered during handling, transportation, and normal service.

The standard requires 26 drops from 1.2 m (4 ft) onto plywood, using up to 5 units.

**WINMATE**

## **Rugged PDA 430**



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