



## FullRugged Tablet Nova Marathon v.3

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	NOVA
<b>Operating System:</b>	Windows 7 Pro (Option Windows XP)
<b>Display:</b>	7" (800x480) Indoor display
<b>Brightness:</b>	320nit
<b>Processor:</b>	Intel® Atom™ Z530 1.6GHZ
<b>Memory:</b>	2GB DDRII
<b>Hard Drive:</b>	SSD 32GB
<b>Touch screen:</b>	Yes
<b>Durability:</b>	MIL-810F / Full Rugged
<b>Drop:</b>	MIL-STD 810F / 1.20m
<b>Shock:</b>	MIL-STD 810F
<b>Vibration:</b>	MIL-STD 810F
<b>Temperature:</b>	Operating temperature: -20°C - 50°C, Storage temperature: -30°C - 60°C
<b>Humidity:</b>	10 - 90%
<b>Other:</b>	Fanless / Standard VESA
<b>Battery:</b>	Li-Ion

<b>Working time on battery:</b>	3.5h (Option 6h or 10h)
<b>LAN:</b>	No (Option)
<b>WLAN:</b>	Yes WiFi a/b/g/n
<b>Bluetooth:</b>	Yes (2.1 + EDR)
<b>WAN:</b>	Yes - GOBI 3.75G
<b>GPS:</b>	Yes
<b>Camera:</b>	No
<b>In/Out:</b>	2xUSB 2.0, 1xJack Audio, AC adapter
<b>Optional accessories:</b>	2D Barcode reader, RFID, Vehicle dock, Desk Dock with power supply, Vehicle 12V power adapter, Carry case, Magstripe reader module, Battery charger with power supply, Extended battery: smaller 38Whr or larger 63Whr
<b>Contrast:</b>	-----
<b>Graphics card:</b>	-----
<b>Chipset:</b>	-----
<b>BIOS:</b>	-----
<b>Flash Card Reader:</b>	None
<b>CD/DVD:</b>	No (optional by USB)
<b>Audio:</b>	2 Speakers stereo surround
<b>Keyboard:</b>	No
<b>Additional Navigation Devices :</b>	No
<b>Color:</b>	Blue
<b>Swivel Hinge:</b>	No
<b>VGA out:</b>	No
<b>TV Out:</b>	No
<b>TV Tuner:</b>	No
<b>Security:</b>	Magnesium case
<b>Waterproof:</b>	IP 54
<b>Sand and dust:</b>	IP 54

**Size:** 206 x 197 x 33 mm / 1.0 Kg

**Product from the Archive - production finished**



**MENU**

**NOVA**

**Description**

**NOVA**

**Functionality**

**NOVA**

**Use**

**NOVA**

**Resistance**

**NOVA**

**Certyficate**

**NOVA**



**NOVA** Mobile Systems provides highly reliable Ultra Mobile PC's and Handheld Computer Systems to a variety of industries worldwide. Nova's introduction of its first truly mobile computer was a robust ultra mobile PC with full computing capability, long battery life and combination touch screen and keyboard. Nova's mobile platforms are designed to be used anytime, anywhere by anyone needing truly mobile productivity.

**NOVA** system architecture is a combination of hardware, software, networking and communications components. Our company owns product designs and techniques that have been used successfully in the Rugged PC industry for over 15 years that is applied to our ultra mobile products so all users can experience a highly durable and reliable product set.

**Marathon** 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. **Marathon** is fully rugged and is certified for both military and industrial ruggedization standards.

Description

**NOVA**

All Day Battery Life...

Rugged and Durable...

Excellent Outdoor Screen Viewability...

Full Communication Capabilities...



### Case and size

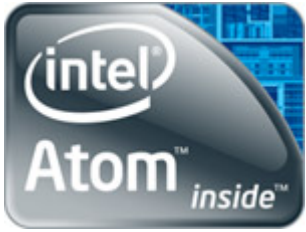
Integrated option GPS or GOBI WWAN solution, 7" LCD (touchscreen and digitizer). In addition, IP65 certified design case, helps to ensure that the **Marathon** will stand up to the most rigorous environments.

### Communications

**NOVA** supports the state of art wireless network feature. It basically supports the wireless LAN 802.11 a/b/g/n, Bluetooth2.1 +EDR has built-in option GPS and optional WWAN 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 **Marathon** 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 **MARATHON** at any time and place where the wireless Internet environment is established.



**Processor and chipset:**



**Marathon** is supported Intel Atom Z530 1.6GHz processor, thanks to what it is unusually energy-saving, keeping near this large efficiency of work, what proof system is Windows XP / 7 which be dedicated for this device.



## Screen

**Tablet** ships standard with a transfective sunlight viewable 7" LED 800x480 screen, ideal for high ambient light conditions standard 320nits. A built-in touch screen allows finger-touch inputs directly on the screen or the use of stylus pen for data input capability.

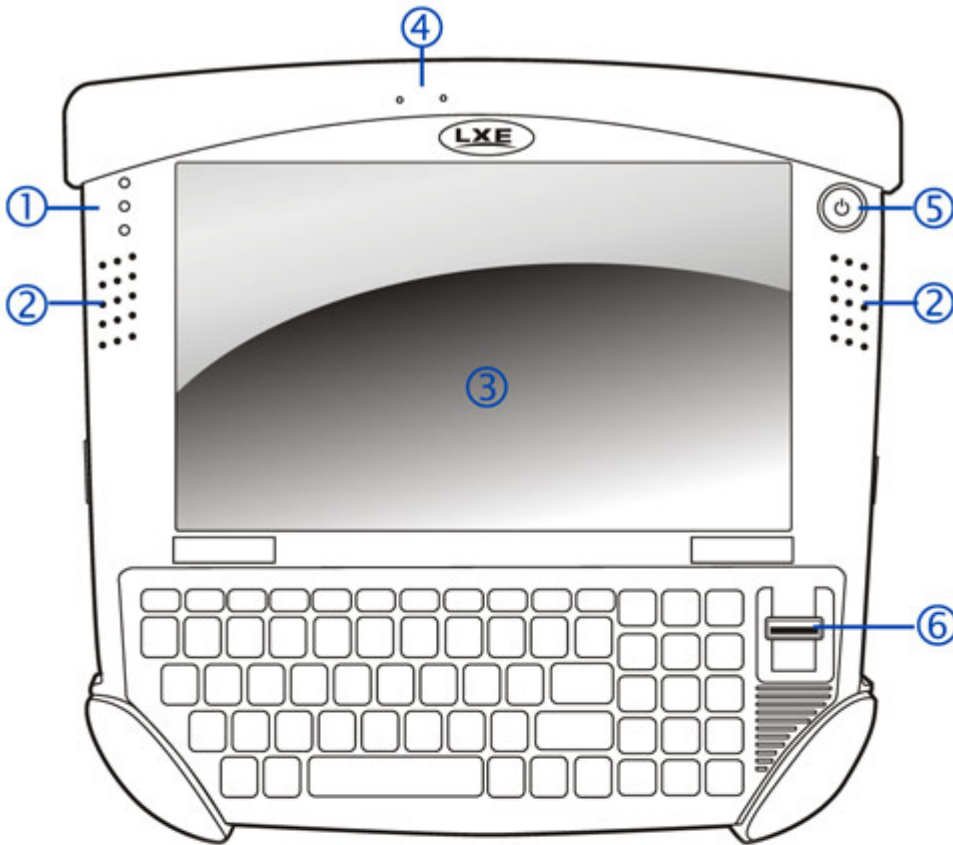
Functionality

NOVA

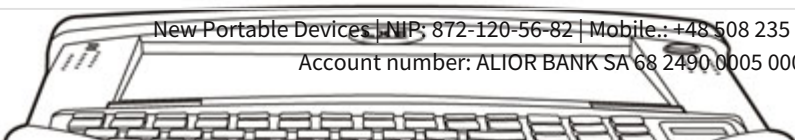
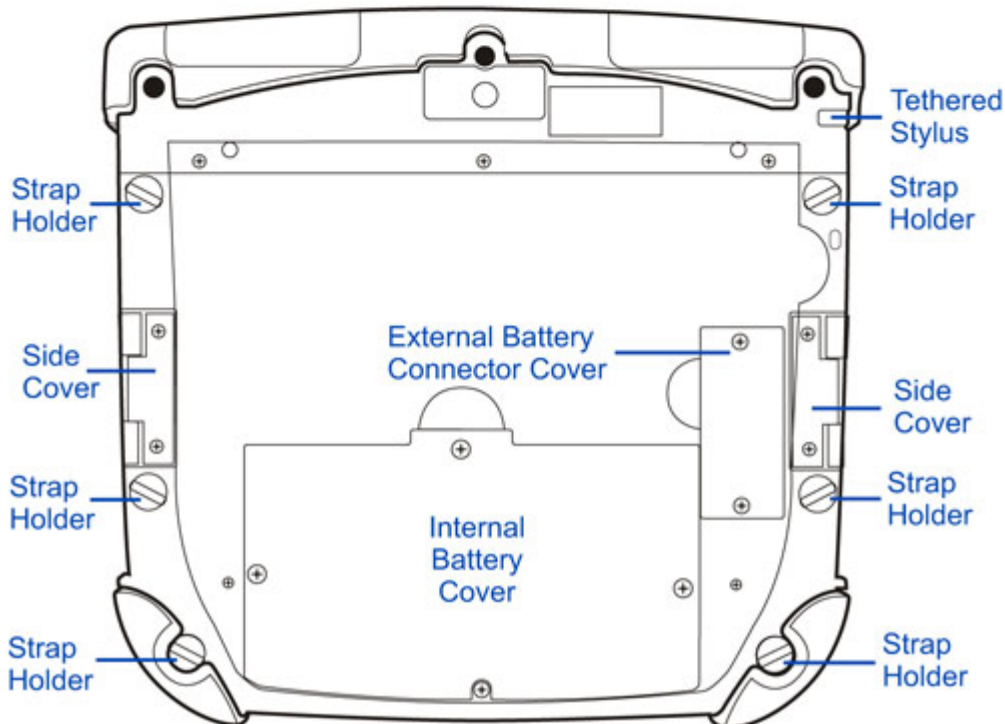








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| <p>①</p> <ul style="list-style-type: none"> <li><span style="color: red;">●</span> Drive Status</li> <li><span style="color: blue;">●</span> Wireless Status</li> <li><span style="color: green;">●</span> Battery Status</li> </ul> | <ul style="list-style-type: none"> <li>1 Status Indicators</li> <li>2 Speakers</li> <li>3 Touchscreen / Display</li> <li>4 Microphone</li> <li>5 Power Button</li> <li>6 Biometric Mouse</li> </ul> |
|--|---|



Use

**NOVA**

The **Marathon**, rugged tablet 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.







## PORTS

Canyons of containers can't protect operators and mobile computers from bright sunlight, salt water, and extreme temperatures. LXE's vehicle-mount computers have been relied upon by over 300 ports worldwide. Now, the Marathon field computer brings a new level of mobility and functionality to ports and intermodal facilities.

### Marathon

- 1 Outdoor display option
- 2 IP 65 rated
- 3 4' drop to concrete
- 4 Full Windows OS®

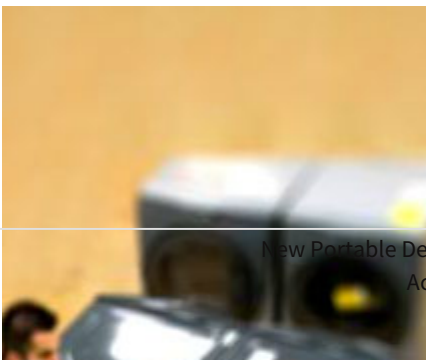


## WAREHOUSING

For over 30 years, LXE's rugged mobile computers have powered the supply chains for many of the world's leading companies. But today, with increasing demands for productivity – and fewer bodies to do the work - mobility can't stop with the warehouse worker. Enter the Marathon field computer, a Windows-based powerhouse can serve as a supervisor's office desktop, then undock and head out to the floor for real-time, WMS- or ERP- integrated exception handling.

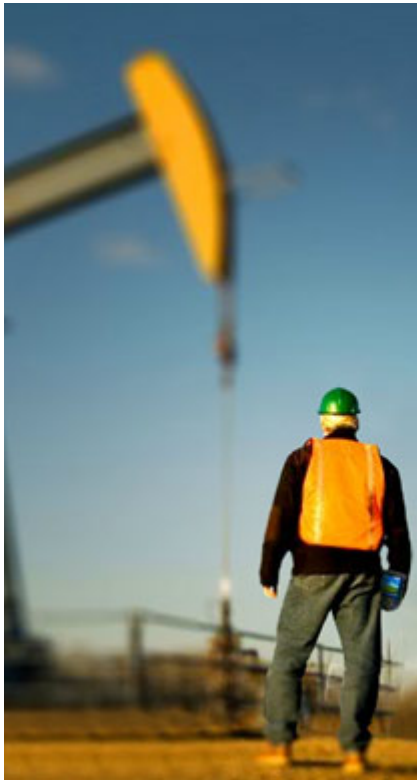
### MARATHON

- 1 Windows® XP or Windows® 7
- 2 VGA dock to external keyboard and monitor
- 3 802.11 a/b/g/n
- 4 Built-in 2MP camera
- 5 Just 2.2 pounds (0.99kg)



## RETAIL

The biggest challenge facing retailers today is when a smartphone-wielding customer is more knowledgeable than your associate.



## NATURAL RESOURCES

For businesses in oil and gas, forestry, or agriculture, computerized data allows smarter, faster decision-making. But those decisions can't be made in real time when actionable data sits back in an office, or when non-rugged devices fail to make the grade. The fully rugged Marathon field computer keeps you focused on the job and able to react in real time to changing conditions and opportunities.

- 1 Outdoor display option
- 2 IP 65 rated
- 3 Full QWERTY keypad, 7" touchscreen, biometric mouse
- 4 Full Windows OS<sup>®</sup>



## FIELD SERVICE

The right mobile computer can save a field worker valuable minutes throughout a call, by automating tasks that previously required a walk back to the truck, or the use of pen and paper. The Marathon field computer provides full Windows computing power in an ergonomic package, with data capture versatility to make a more productive worker, more accurate data, and a more profitable field service enterprise.

- 1 7" touchscreen with full QWERTY keypad
- 2 Outdoor display option
- 3 Available 2D imager
- 4 Built-in 2MP camera
- 5 Just 2.2 pounds (0.99kg)

# RENTAL INSPECTION

Check-in/check-out, renter safety training, and upsell/cross-sell are just three of the processes that are more effective and efficient when delivered at the side of the equipment being rented, rather than in an office. Whether you're renting cars or cranes, the Marathon offers rugged, ergonomic performance that will make you more productive and profitable.

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## Option accessories

**NOVA** delivers our all new Ruggedized Tablet products with two kind of series: one is Rugged Mobile PC Series for a Panel PC with battery charging solution, other series is Rugged Tablet PC Series with totally portable design with hot-swap battery for outdoor use.

- 2D Barcode reader
- RFID
- Vehicle dock
- Desk Dock with power supply
- Vehicle 12V power adapter
- Carry case
- Magstripe reader module
- Battery charger with power supply
- Extended battery: smaller 38Whr or larger 63Whr

Resistance

**NOVA**

The following is a top-level introduction to US Military standard **MIL-STD-810F**, used to define the testing methodology for, and results required for acceptance of, rugged equipment.

MIL-STD-810F is a series of performance and manufacturing guidelines set by the US Department of Defense for military and commercial equipment and applications. These guidelines specify allowable parts and environmental condition ranges in which a device must be able to operate to meet compliance.

MIL-STD 810F is a generally accepted standard of ruggedisation testing and compliance for mobile computers and equipment.

The MIL-STD-810F test method is used to generate confidence in the environmental worthiness and overall durability of 'material system' design. The testing process follows guidelines, which include program documentation, program roles, test standards, and laboratory test method guidelines for all categories.

The laboratory test methods are broken down into 24 categories and thereafter procedures (specific tests or levels) appropriate to the environment in which the equipment is expected to be used. The compliance test categories are shown overleaf.





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### Dictionary:

**Nit** - 1Nit = 1Candela - The candela is the luminous intensity, in a given direction, of a source that emits monochromatic radiation of frequency  $540 \times 10^{12}$  hertz and that has a radiant intensity in that direction of  $1/683$  watt per steradian. The definition describes how to produce a light source that (by definition) emits one candela. Such a source could then be used to calibrate instruments designed to measure luminous intensity.

The candela is sometimes still called by the old name candle, such as in foot-candle and the modern definition of candlepower.