



**DURABOOK**

Prepared for the Unexpected

**DURABOOK R8**

**VS.**

**Getac T800**

DURABOOK MARKETING DIVISION

	DURABOOK R8	Market Solution G (T800)
Drop	MIL-STD-810H, 6' drop	MIL-STD-810H, 6' drop
IP rating	IP66	IP66
Display	8.0" LCD (1280 x 800) - <b>800 nits DynaVue®</b> sunlight readable display with capacitive multi-touch screen - Optional with digitizer	8.1" TFT LCD HD (1280 x 800) 600 NITs LumiBond® 2.0 sunlight readable display with multi-touch technology; Optional digitizer
CPU	- <b>Intel® Core™ i7-1250U (12th Gen) Processor with vPro™</b> <b>(12MB Cache, up to 4.7 GHz, 2P+8E cores)</b> - <b>Intel® Core™ i5-1230U (12th Gen) Processor with vPro™</b> <b>(12MB Cache, up to 4.4 GHz, 2P+8E cores)</b> - <b>Intel® Pentium® Gold Processor 8500 (8MB Cache, up to 4.4 GHz, 1P+4E cores)</b>	Intel® Atom Processor x7-Z8750 1.6GHz (up to 2.56GHz); 2MB Cache
Graphic	<b>Intel® Iris® Xe Graphics</b>	Intel HD Graphics
Storage	<b>128GB NVMe PCIe SSD</b> - <b>Optional 256GB/512GB/1TB PCIe SSD</b>	eMMC 64GB/128GB
RAM	<b>Onboard 8GB up to 16GB (LPDDR4x)</b>	4GB LPDDR3 expandable to 8GB
I/O Interface	<b>Thunderbolt 4 x 1, USB 3.2 Gen2 (type C) x 1 (support DP), Audio in/out (combo jack) x 1, microSD card (microSDXC) x 1, Docking connector (20-pin Pogo) x 1, Nano SIM card x 1, DC-In jack x 1</b> - <b>Optional USB 3.2 Gen1 (type A) x 1</b> - <b>Optional 10/100/1000 Ethernet (RJ45) x 1</b> - <b>Optional serial port (RS232) x 1</b> - <b>Optional 1D/2D barcode reader x 1</b> - <b>Optional RF antenna pass-through for GPS, WWAN and WLAN</b>	DC in x 1; USB 3.0 x 1; Docking port x 1; Headphone out/Mic-in Combo x 1; Micro HDMI x 1; Optional RF antenna pass-through for GPS, WLAN and WWAN
Camera	- Integrated 2.0 MP front-facing camera - Optional 8.0 MP auto-focus rear camera with flash	Optional FHD webcam x 1, Optional 8MP auto focus camera
Expansion slot	- Optional magnetic stripe reader - <b>Optional smart card reader with LF/HF-RFID (NFC) or UHF-RFID (NFC) or RS232/RJ45/USB 3.2 Gen1 (type A)1</b>	Optional 1D/2D imager barcode reader, RS232 Port, 10/100/1000 base-T Ethernet, MicroSD
Wireless	- <b>Intel® Wi-Fi 6E AX211 (802.11a/b/g/n/ac/ax)</b> - <b>Bluetooth® V5.3</b> - Optional GPS and 4G LTE multi-carrier mobile broadband - Optional RF antenna pass-through for GPS, WWAN and WLAN	Intel Dual Band Wireless-AC 7265, 802.11ac, Bluetooth (v4.0 class 1); Optional dedicated GPS; Optional 4G LTE multi-carrier mobile broadband; XLTE Ready; Optional 10/100/1000 base-T Ethernet (occupies expansion slot)
Battery	8.5 hrs (up to 17 hrs) - Optional swappable battery	Up to 10 hrs
Dimension	- 227 mm x 150 mm x 20.5 mm / 8.94" x 5.91" x 0.81" - 0.86 kg / 1.9 lbs	227 mm x 151 mm x 24 mm 0.88 kg

# WHY DURABOOK R8

- **Unique 8" tablet with Intel Core CPU** - The only one 8" rugged tablet with Intel Core processor in windows 11.
- **Powerful performance** - 12th Gen. Intel core CPU, Xe G7 Graphics, PCIe 4.0 NVMe SSD, LPDDR4x, Wifi 6E, BT 5.3
- **Coolfinity™ Fanless Design** - Free of noise and less chance of failure.
- **Compact Size to fit in the palm of your hand** - Only 0.86 kg / 1.9 lbs.
- **Most Rugged 8" Device** - IP66, 6' drop and C1D2/ATEX certification
- **Rich of expansion modules** - RJ-45, RS-232, HF/LF RFID reader, smart card reader and magnet stripe reader.
- **Long-lasting battery life** - Hi-Cap battery up to 17 hours.
- **Longevity support** - just launched in 2024.




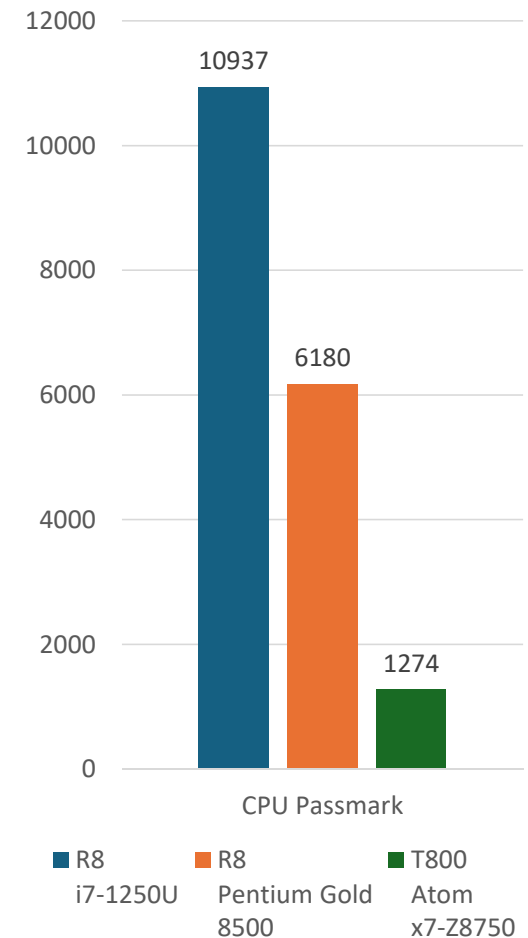
# 8" Rugged Tablet with Intel Core CPU and Win 11

- R8 is equipped with **12th Gen Intel Core Processor**.
  - Powered with the i7-1250U, R8's computing power is **800%** higher than Getac T800.
  - Basic solution Pentium Gold 8500 is **450%** higher than GetacT800.
- R8 is the only small-size rugged tablet in the market, that runs **Windows 11 OS**.

 Windows 11




Durabook R8	Durabook R8	Getac T800
i7-1250U	Pentium Gold 8500	Atom x7-z8750
 WIN 10,937	 WIN 6,180	1,274



# Extraordinary Graphics Performance

The R8 comes with Intel® Iris Xe G7 Graphics processor and has a score of 6342 in 3D Mark 11, which is **1352%** higher than the Getac T800, which features the Intel HD 405 Graphics processor.



Durabook R8	Getac T800
Iris Xe G7	HD 405
 <b>6,342</b>	469.1

■ Intel Iris Xe G7

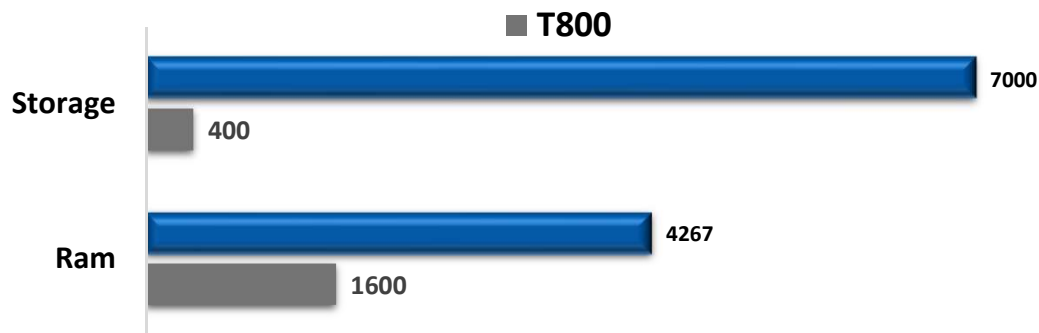
■ Intel HD 405

3D Mark 11





# Speed Creates Efficiency

- R8 is equipped with PCIe 4.0 NVME SSD with read speed up to 7000 MB/s, meaning it is **1750%** higher than the T800.  
Getac T800 uses eMMC technology with max. speed of 400 MB/s.
- R8' uses LPDDR4x DRAM with 4267 Mbps transfer speed, which is **267%** higher than the T800, which uses LPDDR3.



PCI  
EXPRESS®





	Durabook R8	Getac T800
 <b>WIN</b>	PCIe 4.0 NVMe <b>Speed 7,000 MB/s</b>	eMMC 400 MB/s
 <b>WIN</b>	LPDDR4x <b>Speed 4267 Mbps</b>	LPDDR3 1600 Mbps

# Seamless Connectivity

- Intel Wi-Fi 6E AX 211 use a **dedicated** 6E spectrum with up to **seven** additional 160 MHz channels, Wi-Fi 6 only two 160 MHz channels and share the same congested spectrum with other legacy Wi-Fi 4, 5, and 6 devices.
- Bluetooth V5.3 supports **Enhanced Data Rate (EDR) mode** and **Low Energy (LE) mode**. EDR mode boasts a transmission speed of up to 50 Mbps, while LE mode achieves 2 Mbps. Additionally, Bluetooth V5.3 consumes less power than its predecessor, offering lower latency, increased immunity to interference, and extended battery life.




Durabook R8	Getac T800
 <b>WIN</b> <b>Wi-Fi 6E</b>	Wi-Fi 6
 <b>WIN</b> <b>Bluetooth V5.3</b>	Bluetooth V5.2

# Coolfinity™ Fanless Design

- R8 provides **outstanding performance** with better thermal solution in a compact design.
- Fan failure is one of most common reasons lead to system overheat, and damage.
- **COOLFINITY™** fanless design also means **free-of-noise**.






Durabook R8 Fanless	Getac T800 Fanless
 <b>12<sup>th</sup> Gen Core i CPU Turbo boost to 4.7 GHz</b>	Intel Atom Turbo boost to 2.56 GHz



# To Fit In The Palm of Your Hand

R8: 227 x 150 x 20.5 mm / 0.86 kg (8.94" x 5.91" x 0.81" / 1.9 lbs)

T800: 227 x 151 x 24 mm / 0.88 kg (8.94" x 5.94" x 0.94" / 1.94 lbs)

	Durabook R8	Getac T800
Length	227 mm / 8.94"	227 mm / 8.94"
Width	 <b>WIN 150 mm / 5.91"</b>	151 mm / 5.94"
Height	 <b>WIN 20.5 mm / 0.81"</b>	24 mm / 0.94"
Weight	 <b>WIN 0.86 kg / 1.9 lbs</b>	0.88 kg / 1.94 lbs



# Most Rugged 8" Device

R8 is MIL-STD 810H certified (6' Drop, Shock, Vibration, Rain, Dust, Altitude, Freeze/Thaw, High/Low Temperature, Temperature Shock, Humidity, **Salt fog, Drip test**, MIL-STD 461G & ANSI C1D2 & **ATEX Zone 2/22**)





	Durabook R8	Getac T800
	810H, 6 feet Drop, 461G	810H, 6 feet Drop, 461G
WIN	<b>IP66</b>	IP65
WIN	ANSI C1D2, <b>ATEX Zone 2/22</b>	ANSI C1D2
WIN	<b>Salt Fog, Drip test</b>	NA



# High-Speed I/O and Various Expansions

- **Thunderbolt 4** and **USB 3.2 Gen2 (type C)**
- R8 **offers expansion modules** for enhanced flexibility:
  - RJ-45
  - Barcode Reader or USB 3.2 Gen 1 (Type A)
  - RS-232/RJ-45/USB 3.2 Gen 1 (Type A) Module
  - Smart Card reader + UHF-RFID (NFC) Module
  - Smart Card reader + LF/HF-RFID (NFC) Module
  - Magstripe Card Reader
- Other customized features available by request.

	Durabook R8	Getac T800
 WIN	<b>Thunderbolt 4, USB Type C with DP</b>	USB 3.0 Type A, Micro HDMI
 WIN	<b>Barcode + RS232 + RJ45 + USB 3.2 Gen1</b>	Barcode or RS232 or RJ45



# Long-lasting **battery life**

- R8 is available with **standard and/or hi-cap battery** with battery life up to 17 hrs.
- **Swappable battery technology** is available as option, enabling professional workers to use the tablet across several shifts without having to stop and charge.

## Battery Life

**Up to 17 hrs**

**R8 Hi-Cap Battery**

**R8 Standard Battery**

**Up to 8.5 hrs**




**T800**

**Up to 8-10 hrs**



# Longevities Support

- Durabook R8 was **launched in 2024**, whereas the Getac T800's release date is already 10 years back.
- Featuring the latest **Windows 11** operating system, the R8 tablet comes with cutting-edge technologies, up-to-date components, firmware, and drivers.

	Durabook R8	Getac T800
Launched in	 <b>WIN</b> <b>Q3 2024</b>	2014
Operation System	 <b>WIN</b> <b>Windows 11 / Windows 10 IOT</b>	Windows 10 IOT
CPU lifecycle	 <b>WIN</b> <b>10 years or more</b>	soon?

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