

**Durabook Unlocks New AI PC Experiences With 14" Fully Rugged Laptop
Powered by Intel® Core™ Ultra Processors and NVIDIA RTX™ A500 GPU**

World's most durable and reliable 14" AI-ready, fully rugged Windows 11 laptop is ideal for demanding applications in the field, including 3D landscape rendering and architectural illustration, interactive factory floor planning, and real-time analytics

[Durabook](#) today announced significant updates to its Z14I fully rugged laptop, including upgrading its CPU to the latest Intel® Core™ Ultra platform with integrated NPU AI engine, designed specifically to support demanding artificial intelligence (AI) applications in the field. Now equipped with Intel® Core™ Ultra 5/7 processors with integrated neural processing unit (NPU) and optional NVIDIA RTX™ A500 professional GPU, the 14" portable device introduces a powerful and performance-packed AI PC that meets the demands of modern-day AI-intensive tasks for professional users right at the edge.



Extend the Transformative Power of AI to the Field

Designed with the end-user in mind, the Z14I is the perfect device for professionals requiring a rugged laptop with exceptional power and performance essential for handling complex workloads in the field that can only be unlocked with a next-gen AI PC. These users range from field services, utilities, public safety, manufacturing, construction and logistics specialists to those within military and governmental agencies.

With AI acceleration built into every Intel® Core™ Ultra processor, the Z14I offers AI capabilities and can run AI applications without sacrificing battery life. It supports users with diverse tasks, ranging from 3D landscape rendering and real-time interactive factory floor planning to more robust real-time analytics and decision-making at the edge.

Security, Reliability and All-Day Battery Life

Durabook understands that professionals working in the most demanding environments require cutting-edge technology to meet these challenges head-on. The new-generation Z14I offers an ideal combination of AI-ready performance, high levels of ruggedness, security and mobility with:

- **Coolfinity™ fanless cooling** maximises reliability by removing a component that consumes power, is a potential point of failure, and vacuums dust and other debris into the device. Coolfinity also helps maximise battery life to 12.5 hours, and up to 21.5 hours in dual-battery mode. The Z14I can also be equipped with a bridge battery so users can hot-swap batteries in the field without downtime.
- **Ruggedised certification**, including MIL-STD-810H, 6-foot drop resistance and IP66 (maximum protection against dust, dirt, and water ingress) the Z14I is designed to operate in extreme temperatures ranging from sub-freezing -29°C (-20°F) to extreme heat of 63°C (145°F). It is additionally certified and tested for solar radiation, salt fog, fungus resistance and explosive atmospheres.
- **Advanced security support**, such as smart card reader, RFID/NFC reader and fingerprint scanner, as well as a 5MP infrared camera with shutter to support Windows Hello facial authentication, meet the needs of professionals working in an ever-evolving mobile environment. Additionally, Windows 11 with Secured-core PC technology provides hardware, firmware, software, and identity protection to provide the highest protection against attacks in the most data-sensitive industries.

State-of-the-Art Wired and Wireless Connectivity

A wide variety of the latest wired and wireless technologies ensure that Z14I users can quickly and easily access the cloud, share large data files such as 3D architectural illustrations, and use real-time bandwidth-intensive applications such as HD video collaboration:

- Two Thunderbolt 4 ports
- Intel® Wi-Fi 7, offering 4.8x faster transfer speed than Wi-Fi 6E
- Bluetooth® V5.4 with wider range, stronger connections, and enhanced IoT capabilities
- Dual SIM (Nano SIM and eSIM) and optional 4G LTE or 5G
- USB 3.2 and USB 2.0 Type-A ports
- Two RJ-45, two serial ports, HDMI, VGA, and ExpressCard 54

Optional dedicated GPS enables precise location tracking and enables geographic applications such as GIS mapping.

Maximum Viewability Even in Direct Sunlight

Durabook's proprietary DynaVue® display technology, including a 14.0" Full HD (1920 x 1080) DynaVue® sunlight readable display with enhanced 1,200 nits brightness, reveals every detail of visual images at a glance. The 10-point capacitive multi-touch panel with four touch modes (Glove, Stylus, Water, Finger) ensures that the Z14I can be used in virtually any work environment, indoors and outside.

Extensive Customisation Options

The Z14I can be equipped with up to three storage drives — two removable quick-release NVMe PCIe SSDs and a SATA SSD — to enable users to run RAID 0 and RAID 1. The innovative expansion box provides either two slots of PCIe interface for various solution builds, military-grade connectors, or storage security extension with RAID 0/1/5/10 configurations. It can be quickly installed in the field to transform the Z14I into a powerful portable server or the ultimate solution for specific tasks. The optional dedicated NVIDIA RTX™ A500 transforms the Z14I into an ultimate solution for specific tasks such as graphics rendering, architectural illustrations and AI applications, delivering up to 100 TOPS in AI acceleration.

“The next-generation Z14I delivers the next wave in rugged technology, empowering organisations within the utilities, field services, manufacturing and security sectors to enhance operations with on-device AI capabilities”, said Twinhead CEO Fred Kao. “We’re entering a new era of AI PCs that will redefine the personal computer concept. AI is driving a more personalised, powerful experience, empowering users in both their personal and professional lives. As the world’s most powerful AI-ready, 14” fully rugged laptop, the Z14I is the ideal choice for mobile professionals looking to extend AI’s benefits to the field.”

The new Z14I is available now. For full specs and more information, please visit:

<https://www.durabook.com/en/products/z14i-laptop>

Follow the DURABOOK brand

The Durabook product family of rugged laptops and tablets can be followed on various social media channels including [LinkedIn](#), [Facebook](#), [X](#) and [YouTube](#).

About DURABOOK

Durabook is the core brand of Twinhead International Corporation in Taiwan, a world-renowned

manufacturer of rugged mobile solutions for more than 30 years. All Durabook devices are designed, manufactured and tested to the highest standards to ensure maximum quality and reliability. Committed to engineering and service excellence, Durabook products have been widely adopted by government and enterprise customers including oil and gas, utilities, field service, military, and public safety for more than a decade.

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