

DURABOOK U11I-EX

Tablet Fully Rugged 11.6" FHD
Windows 11 Pro / IP66 / MIL-STD-
810H / ATEX Zone 2/22

DURABOOK



- 11.6" FHD (1920 × 1080) with optional 1000 nits DynaVue® sunlight readable display with capacitive multi-touch screen)
- Intel® Core™ i5/i7 12th gen CPU
- Windows® 11 Pro 64-bit
- MIL-STD-810H certified: 6' drop 26 faces, drop, shock, vibration, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, salt fog
- ATEX Zone 2/22 certified
- Water and dust resistant - IP66
- Optional dedicated GPS module and 4G LTE multi-carrier mobile broadband
- Optional long life battery - 20 hours of operation

Full product description

Durabook Expands Portfolio of Reinforced Tablets with ATEX-Certified Models for Explosive Environments

DURABOOK
for the Unexpected



ATEX CERTIFIED

FULLY RUGGED TABLET

for Zone 2/22



**Dyna
Vue**

New R8-EX and U11-EX Windows 11 tablets enable businesses to meet stringent safety requirements for use in hazardous applications such as petrochemical and pharmaceutical

Availability of New Models



Durabook announced in February the availability of two rugged tablet models specifically designed for use in locations where gases, vapours, dust, and other substances create a significant risk of explosion. The new Durabook R8-EX and U11I-EX Windows 11 tablets are certified to meet the European Union's ATmosphères EXplosibles (ATEX) Zone 2/22 certification, meaning they can be used in environments where potential ignition sources include lightning strikes, stray currents, static electricity, open flames, and mechanically generated sparks.

Meet Stringent Regulatory Requirements



ATEX certification is a top, often government-mandated requirement for businesses whose employees work in environments where there's a significant risk of explosion, such as oil/gas refineries and pharmaceutical manufacturing. The Durabook R8-EX and U11I-EX meet that requirement for ATEX Zone 2, where the explosive atmosphere is in the form of gas, vapour, or mist, as well as Zone 22, where the explosive materials are dust or fibres. Both models feature Coolfinity™ fanless cooling, which enables them to operate safely in hazardous industries where standard laptops and tablets cannot. By eliminating the need for a fan, Coolfinity also maximises reliability and battery life by removing a component that consumes power, is a potential point of failure, and vacuums dust and other debris into the device.

Maximum Performance, Security, and Reliability



People who operate, inspect, and maintain industrial equipment need the ability to quickly and easily upload confidential data such as production reports and diagnostics and access proprietary information including manuals and schematics. The new Durabook R8-EX and U11I-EX tablets are designed to meet those requirements and more with:

- Intel® 12th generation processors to provide lag-free performance during even the most compute-intensive use cases, such as multiple applications running simultaneously and real-time video collaboration
- Windows 11 with Secured-core technology to provide an extra layer of protection. By integrating hardware, firmware, software, and identity protection, Secured-core tablets provide the highest level of protection against highly advanced threats, including advanced protection of firmware and dynamic root of trust measurement.
- Durabook's proprietary DynaVue® display technology to ensure readability even in direct sunlight. The R8-EX has an 8-inch display, while the U11I-EX features an 11.6-inch screen. Both tablets' displays support four touch modes (glove, stylus, water, finger) and an optional digitiser.
- A 2MP front webcam for crystal-clear video collaboration and an optional 8MP rear camera with LED flash for crisp images and video. The U11I-EX can also be equipped with an optional Windows Hello face-authentication camera.
- Wired and wireless broadband connectivity including Thunderbolt 4, Intel® Wi-Fi 6E AX211 and Bluetooth® 3 all standard, with optional 4G LTE on both models and optional 5G on the U11I-EX. GPS also is standard to support navigation and location-based applications.
- Rugged components that meet stringent certifications such as MIL-STD-810H (able to withstand a 6-foot drop) and IP66 (maximum protection against dust, dirt, and water ingress.) Both tablets also are designed to operate in extreme temperatures ranging from -20°C to 60°C (- 4°F to 140°F).
- Ultra-long battery life to maximise productivity even when employees spend their entire workday away from power sources. The U11I-EX has a battery life of up to 10 hours, plus an optional high-capacity battery that lasts up to 20 hours. The R8-EX can operate for up to 8.5 hours on its replaceable main battery and up to 17 with an optional high-capacity battery.



"The new Durabook R8-EX and U11I-EX tablets with Windows 11 system enable companies to protect three key things: employees, equipment, and data," said Fred Kao, CEO of Twinhead.

"Obtaining the ATEX zone 2/22 certificate for these tablets is the latest example of Durabook's commitment to providing devices that meet the demanding requirements of enterprises for durability, security, and performance without compromise."

Technical Specification

Rugged Specs

MIL-STD-810H Certified	6' drop 26 faces, drop, shock,vibration, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, salt fog, explosive atmosphere)
Water and Dust Resistant	IP66
Hazardous Environment	ATEX Zone 2/22 certified (Ex II 3G Ex ic IIC T4 Gc, Ex II 3G Ex ic IIC T4 Gc)

Tech Specs

isplay	11.6" FHD (1920 x1080) Optional 1000 nits DynaVue® sunlight readable display with capacitive multi-touch screen Optional with digitizer User selectable touch mode for Finger/Water, Glove, or Stylus programmable function
Operating System	Windows® 11 Pro 64-bit
Processors	Intel® Core™ i7-1250U (12th Gen) Processor with vPro™ (12MB Cache, up to 4.7 GHz, 2P+8E cores) Intel® Core™ i5-1230U (12th Gen) Processor with vPro™ (12MB Cache, up to 4.4 GHz, 2P+8E cores)
Memory	Onboard 8GB up to 32GB (LPDDR4x)
Storage	256GB NVMe PCIe SSD Optional 512GB/1TB/2TB PCIe SSD Optional OPAL 2.0 SSD
Graphics	Intel® Iris® Xe Graphics
Camera	Integrated 2.0 MP front-facing camera Optional 8.0 MP auto-focus rear camera with flash Optional IR camera for Windows Hello face authentication
Audio	Integrated microphone Intel® High Definition Audio Compliant Integrated speaker x 2
I/O Ports	Thunderbolt 4 x 1 USB 3.2 Gen1 (type A) x 1 Audio in/out (combo jack) x 1 microSD card (microSDHC, microSDXC) x 1 10/100/1000 Ethernet (RJ45) x 1 Docking connector (20-pin Pogo) x 1 Nano SIM card x 1 DC-In jack x 1 Optional smart card reader x 1 or x 2 ^{2,3} Optional USB 3.2 Gen2 (type C) x 1 ⁵ Optional 2nd USB 3.2 Gen1 (type A) x 1 ⁵ Optional USB 2.0 (type A) x 1 ⁵ Optional serial port (RS232, 422 and 485 : D-sub,9-pin) x 1 ⁵ Optional 1D/2D barcode reader x 1 ⁵

Keyboard & Input	5 buttons (2 user-definable keys)
Communications	Integrated 10/100/1000 Ethernet Intel® Wi-Fi 6E AX211 (802.11ax) Bluetooth® V5.3 Optional dedicated GPS module (UBLOX-NEO-M9N) ¹ Optional 4G LTE multi-carrier mobile broadband ¹ Optional 5G (project based) ¹
Security	Intel® vPro™ Technology TPM 2.0 NIST BIOS compliant Secured-Core PC ² Stealth mode Kensington lock Optional smart card reader x 1 or x 2 ^{2,3} Optional Windows Hello Optional night vision mode ⁴ Optional fingerprint scanner
Power	AC adapter: 100-240V, 50Hz-60Hz, 65W Main battery: Li-Ion, 7.6V, 4800mAh, 10 hours ⁶ Optional hi-cap battery Li-Ion 7.6V, 9600mAh, 20 hours ⁶ Optional bridge battery: 5 minutes swap time ⁷
Dimension & Weight	317 mm (L) x 215 mm (W) x 23.8 mm (H) 1.49 kg
Warranty	3-year limited warranty standard

1. Dedicated GPS with 4G LTE and 5G are mutually exclusive options.
2. Contact your sales representative for feature availability.
3. Night vision mode is available only for sunlight readable display.
4. USB 3.2 type C, 2nd USB 3.2 type A, USB 2.0, RS232 or 1D/2D barcode reader are mutually exclusive options. USB 3.2 type C or USB 2.0 are available as project-based features.
5. Tested using the MobileMark 2014 battery life benchmark. Results may vary under different situations including hardware configuration, software, operating conditions, power management settings and other factors.
6. The system will stay operating within 300 seconds when user swaps the battery.