GLACIER COMPUTER
A Logic Instrument Company

DURABOOK
Prepared for the Unexpected




Copilot+PC

# R12 Tablet

## EDGE AI ON THE MOVE

- 12.2" WUXGA LCD DynaVue® sunlight-readable display with 1200 nits and capacitive touchscreen
- Intel® Core™ Ultra Series 3 processor with integrated NPU, total up to 180 TOPS and optional NVIDIA® GPU
- Flexible battery options, including dual hot-swappable battery design and high-capacity battery
- Built-in 2.5Gbps LAN port, dual SIM 4G LTE/5G, Wi-Fi 7 and Bluetooth® V6.0
- Copilot+ PC with enhanced security including Dual-Camera with dynamic shutter design and Windows Hello
- Versatile I/Os configurations including Thunderbolt™ 4 and optional RFID, barcode & smart card reader

MIL-STD 810H | MIL-STD 461G | IP66 CERTIFIED | 6 ft drop | C1D2 ANSI | ACCIDENTAL 3 YEAR WARRANTY | DynaVue

GLACIER COMPUTER
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# R12 Specifications

Windows 11

## DURABILITY
- MIL-STD-810H certified (Drop, Shock, Vibration, Rain, Dust, Altitude, Freeze/Thaw, High/Low Temperature, Temperature Shock, Humidity, Explosive Atmosphere, Salt Fog)
- MIL-STD-461G certified (Conduction, Radiation, Conducted Susceptibility, Radiated Susceptibility)
- Optional ANSI/UL 121201, Class I, Division 2
- 6' drop 26 faces
- IP 66 certified
- Magnesium alloy chassis
- Port covers
- Sunlight readable display
- Optional dual hot-swappable battery technology

## OPERATING SYSTEM
Windows® 11 Pro 64-bit

## PROCESSORS
- Intel® Core™ Ultra 7 366H vPro, 25W (18M Cache, up to 4.80 GHz, 16 cores, 16 threads, with Intel® AI Boost NPU up to 50 TOPS)
- Intel® Core™ Ultra 7 356H, 25W (18M Cache, up to 4.70 GHz, 16 cores, 16 threads, with Intel® AI Boost NPU up to 50 TOPS)
- Intel® Core™ Ultra 5 336H vPro, 25W (18M Cache, up to 4.60 GHz, 12 cores, 12 threads, with Intel® AI Boost NPU up to 47 TOPS)
- Intel® Core™ Ultra 7 365 vPro, 25W (12M Cache, up to 4.80 GHz, 8 cores, 8 threads, with Intel® AI Boost NPU up to 49 TOPS)
- Intel® Core™ Ultra 7 355, 25W (12M Cache, up to 4.70 GHz, 8 cores, 8 threads, with Intel® AI Boost NPU up to 49 TOPS)
- Intel® Core™ Ultra 5 335 vPro, 25W (12M Cache, up to 4.60 GHz, 8 cores, 8 threads, with Intel® AI Boost NPU up to 47 TOPS)
- Intel® Core™ Ultra 5 325, 25W (12M Cache, up to 4.50 GHz, 8 cores, 8 threads, with Intel® AI Boost NPU up to 47 TOPS)

## GRAPHICS
- Intel® Graphics

Optional NVIDIA® RTX 2000 Ada[2,5]

## MEMORY
16GB up to 64GB (LPDDR5x-8533)

## STORAGE
256GB NVMe PCIe SSD
- Optional 512GB/1TB/2TB NVMe PCIe SSD
- Optional OPAL 2.0 SSD

## DISPLAY
12.2"WUXGA LCD (1920 x 1200)
- 1200 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
- Support Microsoft Pen Protocol (MPP) 2.0 active pen function

## AUDIO
- Integrated microphone x 2
- Intel® High Definition Audio Compliant
- Integrated speaker x 2
- Keyboard volume and mute controls

## CAMERA
- Integrated 5.0 MP IR camera for Windows Hello with dynamic shutter design
- Optional 13.0 MP rear auto-focus camera with flash and dynamic shutter design

## KEYBOARD & INPUT
- 7 buttons (4 user-definable keys)

## COMMUNICATIONS
- Integrated 2.5Gbps Ethernet
- Intel® Wi-Fi 7 BE211 (802.11 be)
- Bluetooth® V6.0
- Optional dedicated GPS module (UBLOX-NEO-M9N)
- Optional 4G LTE multi-carrier mobile broadband[1]
- Optional 5G[1]
- Optional RF antenna pass-through for GPS, WWAN, and WLAN

## SECURITY
- Intel® vPro® Technology (per CPU options)
- Secured-core PC
- TPM 2.0
- NIST BIOS compliant
- IR Camera (support Windows Hello)
- Stealth mode
- Kensington lock
- Night vision mode
- Optional fingerprint scanner
- Optional smart card reader[2]
- Optional smart card reader with LF/HF-RFID (NFC)[2]
- Optional LF/HF-RFID (NFC) reader[2]
- Optional UHF-RFID (NFC) reader[2]

## I/O INTERFACES
- 2.5Gbps Ethernet (RJ45) x 1
- Thunderbolt 4 (type C) x 2
- USB 3.2 Gen2 (type A) x 1
- Audio in/out (combo jack) x 1
- microSD card (microSDXC) x 1
- Docking connector (20-pin Pogo) x 1
- Dual SIM (Nano SIM & eSIM)
- DC-In jack x 1
- Optional USB 3.2 Gen1 (type C) x 1[3]
- Optional 2nd USB 3.2 Gen1 (type A) x 1[3]
- Optional serial port (RS232/RS422/RS485: D-sub,9-pin) x 1[3]
- Optional 1D/2D barcode reader x 1[3]
- Optional 10/100/1000 Ethernet (RJ45) x 1[3]
- Optional smart card reader x 1[2]
- Optional RF antenna pass-through for GPS, WWAN, and WLAN

## EXPANSION SLOT
- Optional magnetic stripe reader[3]
- Optional smart card reader[2]
- Optional smart card reader with LF/HF-RFID (NFC)[2]
- Optional LF/HF-RFID (NFC)[2]
- Optional UHF-RFID (NFC)[2]
- Optional NVIDIA® RTX 2000 Ada[2]

## POWER
AC adapter: 100-240V, 50Hz-60Hz, 90W
Main battery: Li-Ion, 7.6V, 4000mAh, 10 hours[4]
- Optional hi-cap battery: Li-Ion, 7.6V, 8000mAh, 20 hours[4]

## ENVIRONMENT
- Temperature
  Operating: -29°C ~ 63°C / -20°F ~ 145°F
  Storage: -51°C ~ 71°C / -60°F ~ 160°F
- Humidity: 5% ~ 95%

## DIMENSION & WEIGHT
- 11.89" (W) x 8.3" (D) x 0.925" (H)[6]
- 3.19 lbs[6]

## WARRANTY
3-Year Accidental Damage Warranty

1. 4G LTE and 5G are mutually exclusive options.
2. Mutually exclusive options.
3. Mutually exclusive options.
4. Tested using the MobileMark 30 battery life benchmark. Results may vary under different situations including hardware configuration, software, operating conditions, power management settings and other factors.
5. For optimal graphics performance, the CPU needs to be paired with 336H, 356H or 366H version, an upgrade of the system memory to 32GB or higher and the SSD capacity to 512GB or higher is recommended.
6. Weight and dimensions vary with options.

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