



RT112 (Windows Wi-Fi version)

10.1 Inch Windows Rugged Tablet

Wi-Fi 6E | Qualcomm® 6490 platform | Windows on Arm | 690g with 8800mAh battery



Windows On Arm (WOA), Next-Level Performance

Introducing the world's first industrial-grade Windows on ARM tablet, powered by the Qualcomm® 6490 IoT platform, supporting a long product lifecycle, extended battery life, and always-on Wi-Fi connectivity in an ultra-thin rugged form. This advanced architecture combines the full Windows experience with optimized energy efficiency, enabling professionals to work smarter and longer without compromise.

Seamless Connectivity via Advanced Wireless Communication

Featuring Bluetooth® 5.2, Wi-Fi 6E with fast roaming, the RT112 Windows ensures real-time data collection and seamless backend system integration. Field workers can quickly scan items, check stock levels, or place online orders, all while maintaining a stable connection in demanding environments. Powered by the Windows 11 system, the RT112 Windows delivers a modern interface and reliable performance, enhancing productivity with faster uploads, downloads, and smoother operations on the most dependable networks for your business.

Ultra-Portable, Professional Performance

Smaller than an A4 sheet with an ultra-slim, pen-thin profile, the RT112 slips easily into your bag while delivering exceptional practicality and performance. Built for professionals who demand constant mobility, it offers unmatched flexibility and efficiency for retail, POS, hospitality, healthcare, warehousing, and manufacturing applications—making it the ideal lightweight, streamlined device to handle daily tasks seamlessly.

Premier Barcode Reading Performance

Featuring powerful 1D/2D scanning capabilities and advanced 2D barcode scanning technology, the RT112 Windows offers an optional engine that enables barcode reading at distances of up to 10m with Wi-Fi 6E connectivity. This ensures fast, accurate data capture for a wide range of workflows, allowing users to enjoy high-performance barcode reading from both short and long distances while optimizing operational efficiency.

Durable at Its Best

The RT112 Windows enhances the industrial durable protection with features including IP67 dustproof, waterproof, and 1.5 meters resistance to fall protection. That means it covers fully protected from dust and can survive in 1 meter of water for up to 30 mins. Certified to MIL-STD-810H, it withstands vibration, humidity, and harsh environmental conditions, ensuring reliable performance wherever work takes you. The light tablet with a slim 12mm edge is designed for workers to comfortably capture data and check inventory in high portability from day to night. For an easy touch and view, the 10.1" display supports glove and wet touch mode with 450 nits brightness.

Features

- Windows 11 IoT Enterprise LTSC operating system
- 10.1" (1920 x 1200) LCD display with Gorilla® Glass (450 nits)
- Wireless Communication: Wi-Fi 6E for faster, seamless connectivity
- First ultra-thin Windows on Arm (WOA)
- Lightweight but durable: 690g with 12mm
- Rugged Design: IP67 rated, 1.5M drop and MIL-STD-810H certified
- Removable battery design with a capacity 8800mAh

RT112 (Windows) Specifications



System Features

OS	Windows 11 Enterprise
CPU	Qualcomm® 6490 Octa-Core Processor, 64bits, 6x CPU, up to 2.1 GHz
Memory	8 GB RAM +128GB Flsh
AI	6th Gen Qualcomm® AI Engine
Others	Qualcomm® Trusted Execution Environment (TEE)

Display

10.1" (1920 x 1200) LCD Display 450 nits
Gorilla® Glass, Multi-Touch User Interface with Capacitive, stylus, glove (thickness ≤ 4 mm), wet-finger Compatibility

Buttons / Keypad

6 Physical Buttons
Power, Volume+/-, Scan Key x 2, Programable Key x 1

Indicator

LEDs, Vibrator

I/O Interfaces

USB	USB3.1 Type-C x 1
POGO PIN	POGO pin
Audio	Dual-speakers MIC*2 (noise cancelling & Background noise depression)

Power Source

Main Battery	8800mAh (removable)
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Enclosure

Dimensions	260x165x12mm
Weight	690g

Symbologies

1D	UPC/EAN/JAN, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5 (ITF), Discrete 2 of 5 (DTF), Codabar (NW - 7), MSI, Chinese 2 of 5, Matrix 2 of 5, Inverse 1D, GS1 DataBar, Composite Codes
2D	QR Code, Data Matrix, Aztec Code, PDF417, Macro PDF417, Micro PDF417, MaxiCode, Coda block A, Codablock F, GS1Composite, Han Xin Code
Postal	Australian Post, British Post, Canadian Pos, InfoMail, Intelligent Mail Bar Code, Japanese Post, KIX (Netherlands) Post, GS1 Composite, Korea Post, Planet Code, Postal, Postnet

Communication

Camera	Rear: 13MP (with auto-focus and LED flash) Front: 5MP (with fixed focus)
Bluetooth®	Bluetooth® 5.2
WLAN	Wi-Fi 6E, 2.4GHz & 5GHz & 6GHz Support Dual-Band Simultaneous (DBS) IEEE 802.11a/b/g/n/ac/ax/d/e/h/i/k/r/v (2x2 MU-MIMO)
Sensors	Gyroscope, Accelerometer (G-sensor), E-compass, Light & Proximity Sensor

Environment

Operating temperature	-20°C ~ 55°C
Storage temperature	-40°C ~ 70°C
Drop test to Concrete	1.5m
Environmental Sealing	IP67
Relative Humidity	5% ~ 95% (Non-Condensing)
Vibration and Shock test	MIL-STD-810H, Method 516.8, Procedure IV

What comes in the box

RT112
Battery Pack
USB-C Adaptor

Accessories

Rotatable Hand Strap
Shoulder Strap
Screen Protector
Office Cradle
Vehicle Cradle
Capacitive Stylus Pen (5.5mm) w/ Coil Strap



Headquarters

Taipei, Taiwan
<http://www.ute.com> e-mail: info@hq.ute.com

unitech America

Los Angeles
<http://us.ute.com> e-mail: info@us.ute.com
<http://can.ute.com> info@can.ute.com
Mexico
<http://latin.ute.com> e-mail: info@latin.ute.com

unitech Asia Pacific & Middle East

Taipei
<http://apac.ute.com> info@apac.ute.com / info@india.ute.com
<http://mideast.ute.com> info@mideast.ute.com

unitech Europe

Tilburg / Netherlands
<http://eu.ute.com> e-mail: info@eu.ute.com

unitech Japan

Tokyo
<http://jp.ute.com> e-mail: info@jp.ute.com

unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen
<http://cn.ute.com> info@cn.ute.com
Taipei <http://tw.ute.com> info@tw.ute.com

