RT112 Windows

10.1 Inch Windows Rugged Tablet

5G & Wi-Fi 6E | Qualcomm® 6490 platform I Windows on Arm I 690g with 8800mAh battery

Next-Level Windows on Arm with 5G IoT Power

Introducing the world's first industrial-grade Windows on ARM tablet, powered by the Qualcomm® 6490 5G IoT platform, the RT112 Windows combines a slim, rugged design with extended battery life and always-on 5G/Wi-Fi connectivity. This advanced architecture not only delivers the full Windows experience with optimized energy efficiency, but also ensures lightning-fast data transfer and ultra-responsive performance for demanding enterprise applications. With long-term lifecycle support and seamless IoT integration, the RT112 Windows provides professionals and businesses with a future-ready solution that remains reliable, efficient, and adaptable in an ever-evolving digital landscape.

Seamless Connectivity via Advanced Wireless Communication

Featuring Bluetooth® 5.2, Wi-Fi 6E with fast roaming, and 5G connectivity, 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.

Effortless and Secure Connectivity with eSIM

The RT112 Windows supports eSIM technology, delivering secure and convenient connectivity without the need for physical SIM cards. Embedded within the device, the eSIM reduces the risk of loss or damage while enhancing data security. Network switching is effortless via QR code or activation code over Wi-Fi, ensuring stable and reliable performance in retail, hospitality, healthcare, warehousing, and manufacturing environments.

Durable Design

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.

With the capability to support glove thickness of up to 4mm, the RT112 Windows ensures effortless touchscreen navigation, accommodating a wide range of materials. Whether you prefer a 2mm cotton glove or a robust 3mm work glove, our technology seamlessly adapts, delivering unparalleled convenience while preserving the comfort of your gloved hands!

Features

- Windows 11 IoT Enterprise LTSC operating system
- 10.1" (1920 x 1200) LCD display with Gorilla® Glass (450 nits)
- Wireless Communication: 5G & Wi-Fi 6E for faster, seamless connectivity
- 5G IOT Platform (Qualcomm® 6490): Support Long Life Cycle
- 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

System Features

OS	Windows 11 Enterprise
CPU	Qualcomm® 6490 Octa-Core Processor, 64bits, 6x CPU, up to 2.7 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
SIM Slot	eSIM x 1+ nano SIM x1 and Micro SD Card x 1
Audio	Dual-speakers
	MIC*2
	(noise cancelling & Background noise depression)

Power Source

Main Battery	8800mAh (removable)

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)
WWAN (Optional)	Support 2G/3G/4G/5G
	5G FR1 Sub 6GHz:
	N1/N2/N3/N5/N28/N41/N48/N66/N71/N77/N78/N79 (4x4 MIMO)
	4G LTE (FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 20, 28, 66, 71
	LTE (TDD) – Bands 38, 39, 40, 41, 48
	3G UMTS/HSPA+ – Bands 1, 2, 5, 8
	2G GSM/GPRS/EDGE (850/900/1800/1900 MHz)
	*Support Data, SMS and Voice capabilities
	*n48 & B48 for CBRS
GPS	GPS, BeiDou, Glonass, Galileo, QZSS, and SBAS (for WWAN model only)
Sensors	Gyroscope, Accelerometer (G-sensor), E-compass, Light & Proximity Sensor

Environment

Operating temperature	-20℃ ~ 55℃
Storage temperature	-40℃ ~ 70℃
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