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RT112

10.1 Inch Android Rugged Tablet

5G & Wi-Fi 6E | Longevity QCM5430 Processor I IP67 & 1.5M Drop

Powered by Android 13 OS with GMS & AER Certified

The RT112 is a 10.1-inch Android 13 rugged tablet equipped with an advanced 64-bit Hexa Cores CPU capable of reaching speeds up to 2.1 GHz. It effortlessly handles demanding tasks while ensuring smooth multitasking. With the distinction of Google Certification, encompassing Google Mobile Service (GMS) and Android Enterprise Recommended (AER) endorsement, the dual certification assures a secure and efficient business environment.

Premier Barcode Reading Performance

Featuring powerful 1D/2D scanning capabilities and utilizing premier 2D barcode scanning technology, the RT112 rugged tablet offers an optional engine that enables barcode reading at distances of up to 10m with 5G and Wi-Fi 6E connectivity. This provides the perfect solution for the warehousing, retail and logistics environments, allowing users to enjoy high-performance barcode reading, whether it's from a short or long distance, and optimize their work efficiency.

Seamless and Connectivity via Wireless Communication

Featuring Bluetooth® 5.2, wireless Wi-Fi 6E with fast roaming and 5G connectivity for real-time data collection, user can scan the item and instantly connect to the backend system to find out the quantity in stock or make an online order for customers. The RT112 delivers a seamlessly work experience and improves productivity for various applications, making it faster downloads and uploads at user's fingertips on the most reliable networks for your business.

5G IOT Platform

Equipped with the Qualcomm 5430 5G IoT Platform, the RT112 offers seamless integration into the future of technology. Its robust 5G capabilities ensure lightning-fast data transfer and a responsive online experience, all while being optimized for the demands of the Internet of Things. With a focus on longevity, the RT112 boasts an extended life cycle, making it an ideal investment for those seeking a device that will remain relevant and efficient for years to come.

Durable Design

The RT112 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. The MIL-STD-810H standard assures an overall environmental vibration and humidity. 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 500 nits.

Features

- Android 13 with GMS & AER Certified
- 10.1" (1920 x 1200) LCD display with Gorilla® Glass (500 nits)
- Lightweight but durable: 690g with 12mm
- Rugged Design: IP67 rated, 1.5M drop and MIL-STD-810H certified
- Wireless Communication: 5G & Wi-Fi 6E
- 5G IOT Platform (Qualcomm 5430): Support Long Life Cycle

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RT112
Specifications

System Features

OS	Android 13 (upgradable to Android 15) with AER certified
GMS certified	GMS certified
CPU	Qualcomm Snapdragon™ 5430 Processor, 64bits, Hexa Cores up to 2.1 GHz (Option: Octa Cores)
Memory	6GB RAM + 128GB Flash (Option: 8GB RAM + 128GB Flash)
AI	6th Gen Qualcomm AI Engine
Others	Qualcomm® Trusted Execution Environment (TEE)

Display

10.1" (1920 x 1200) LCD Display 500 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

RFID

Support HF/NFC
ISO14443-4 (Type A, Type B), ISO15693, Mifare, Felica(ISO/IEC18092)

I/O Interfaces

USB	USB3.1 Type-C x 1
POGO PIN	POGO pin
SIM Slot	Nano SIM x1 and Micro SD Card x 1 (or Nano SIM x 2)
Audio	Dual-speakers MIC*2 (noise cancelling & Background noise depression)

Power Source

Main Battery	8800mAh (removable)

Software

Support MDM Software Solutions and utilities such as Airwatch, SOTI, Ivanti Wavelink, and MoboLink

Regulatory Approvals

CE, UKCA, FCC, IC, NCC, BSMI, VCCI, TELEC, CCC, SRRC, BQB, RoHS, REACH

Symbologies

1D	Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32 (PARAF), EAN-UCC Emulation, GS1 Data Bar
2D	Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code
Postal	Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

Communication

Camera	Rear:13M (with auto-focus and LED flash, Support Google Arcore & Depth API) Front:5M (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, NavIC and SBAS (for WWAN model only)
Sensors	Gyroscope, Accelerometer (G-sensor), E-compass, Light & Proximity Sensor

Enclosure

Dimensions	260x165x12mm
Weight	690g

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

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RT112
Software Solution



Development Tools

Unitech SDK

Scanner SDK

RFID SDK

Unitech offers a number of SDK toolkits for developers to write apps that can interact with the unitech devices for the mobile, scanner, and the RFID product lines.

Device Management

SOTI

42GEARS

vmware

ivanti | Wavelink

Staging and Management

MoboLink
Android Enterprise ready EMM for monitoring device health and managing apps, configs and files.

StageGO
Barcode-based device staging utility offering hundreds of script commands for you to work with.

OEMConfig
If you are using a third party EMM, OEMConfig will allow those EMM solutions to configure unitech specific settings on the device.

Enterprise Launcher
Secure your devices by kiosking them with Enterprise Launcher. Block access to the Android system and only allow limited number of apps to be run.

Battery info
Monitor advanced Battery health and manage the battery replacement cycle. Use with MoboLink to get real-time attery health alerts delivered to your phone.

Software Update
Check and install software updates online.
To let a device always stay up-to-date, setup the device to automatically check and install for updates on boot up.

System Update Center
Check and install firmware updates via FOTA. You can update the firmware via online FOTA server, or by using a OTA ZIP file placed in the internal storage.

Unitech Scanner Utility
An Android application which helps users connect, configure and use a supported Unitech Bluetooth scanner.

Productivity and Utilities

USS
USS Profiles
Configure all scanner settings with friendly user interface and enable the service to make scanning data as keypad input.

USS Camera
Capture barcode data using the device camera and send the data to your applications as keyboard inputs.

KeyRemap
Reprogram physical buttons to act as another key or to launch an app.

WLAN Advanced
Configure advanced WLAN settings such as power saving mode and roaming parameters.

NTP Server Settings
Customize the NTP server setting to keep your device date and time synchronized.

UNote
A simple text viewer and editor for use in your work flows.

Startup
Auto-run apps when device boots up.

TagAccess
For versatile functions of RFID command via integrating with Unitech RFID Readers.

Logger
An easy and fast way to get logs from a device.

Enterprise Keyboard
Enterprise Keyboard gives various methods for user to input data to enhance efficiency and productivity.

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