RT112 WoA

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RT112 WoA

A thin, light, and rugged 10.1'' Windows tablet purpose-built for the modern workforce, powered by Qualcomm Snapdragon technology.

Contents

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WHY RT112 WoA

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The Old Compromise of Enterprise Mobility

For years, deploying Windows tablets in the field meant accepting a trade-off. Customers needed the power and compatibility of Windows, but they were burdened by devices that were:
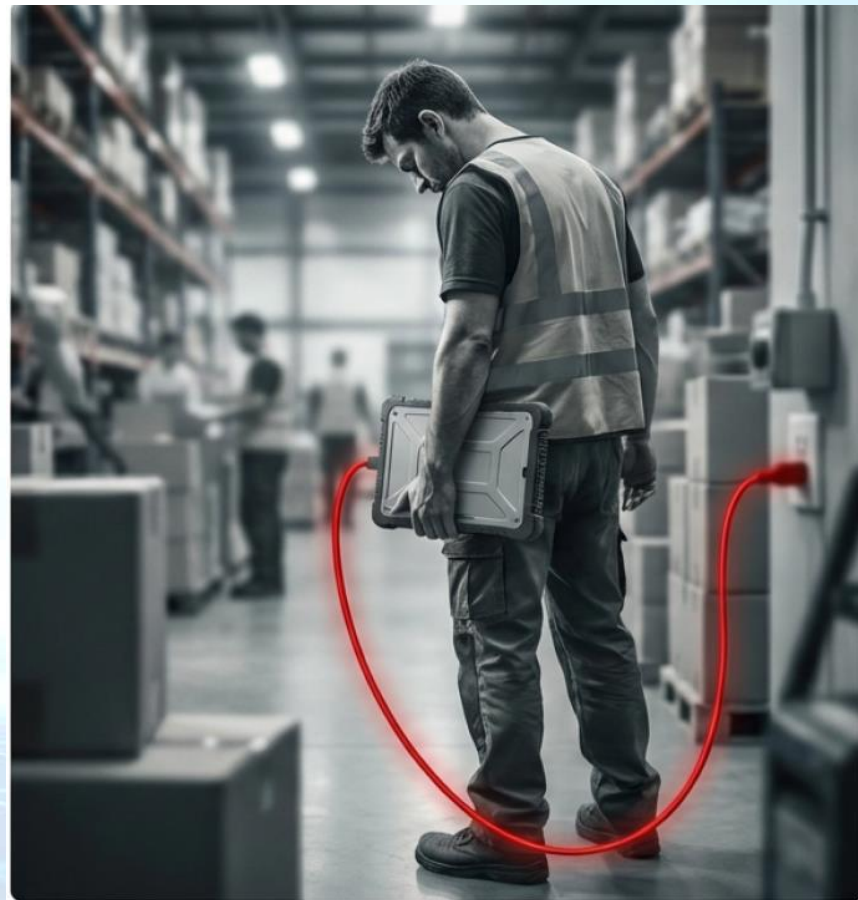
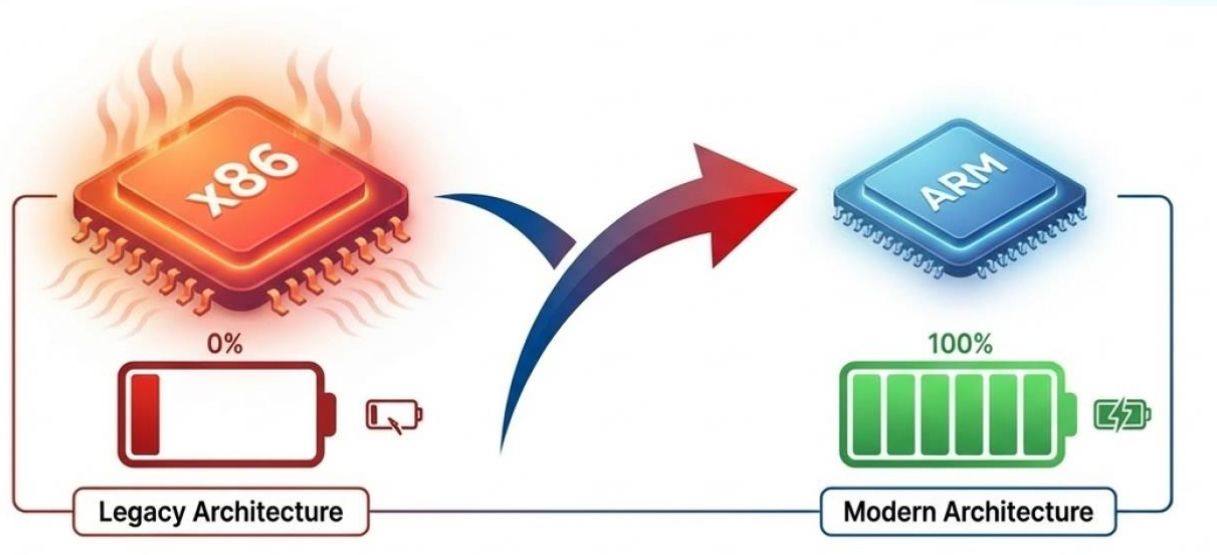**Heavy & Bulky:** Leading to user fatigue over long shifts.

Power Hungry: Often failing to last a full workday without a recharge

Hot to the Touch: Generating excessive heat under load, creating discomfort

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The Breakthrough: Windows on a New Architecture

The solution lies in a fundamental shift from legacy x86 processors to modern, efficieant ARM-based architecture. Qualcomm's Windows on Arm platform is purpose-built for the mobile-first enterprise, delivering massive gains in power efficiency and performance-per-watt without sacificing the Windows experience users depend on.

Market Context

Mobility First

Field teams demand all-day power, cool operation, and lightweight design without sacrificing Windows ecosystem tools.

Windows on Arm Maturity

Arm architecture now offers robust app compatibility and modern device management capabilities

Always Connected Trend

Integrated 5G + Wi-Fi 6E enable instant-on wake and seamless cloud access anywhere.

Enterprise Goals

Better thermal efficiency, sustainability, and improved worker comfort.

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Voice of Customer

Where We Heard the Needs: Key Feedback Channels

Retail & Hospitality Pilots

"Current x86 tablets are too heavy for 8-hour shifts, generate uncomfortable heat, and often run out of battery before the day ends."

IT Security & Ops

"We need devices that resume instantly like a phone but pass our strict Windows security audits and compliance checks."

Frontline Users

"A lighter device with reliable wireless means less fatigue and fewer interruptions to charge, keeping us focused on customers."

Procurement Teams

Better thermal efficiency, sustainability, and improved worker comfort.

690g

"We want the portability of a consumer tablet but the security and manageability of our enterprise Windows environment."

Lightweight

Cool Running

Long Battery

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RT112 WoA: Where Breakthrough Meets Rugged Design

We've engineered the RT112 to be the ultimate Windows on Arm enterprise tablet. It combines the revolutionary efficiency of the Qualcomm Snapdragon"" platform with Unitech's proven expertise in building durable, reliable devices for the world's most demanding environments.

TARGET CUSTOMERS

A Day in the Life: How the RT112 Empowers Your Customers

The true measure of the RT112 is its impact on daily operations. Let's see how it transforms workflows in key industries.

Target Markets Overview

Retail & POS

Use Cases

- Mobile POS transactions
- Price & inventory checks
- Assisted selling on floor
- Queue busting

Key Drivers

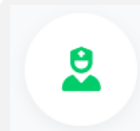| System Uptime	Lightweight
Secure Payments	

Hospitality

Use Cases

- Guest check-in / check-out
- Tableside ordering
- Event management
- Concierge services

Key Drivers

Professional Look	Reliability
Guest Experience	

Healthcare

Use Cases

- EMR / EHR access
- Ward round documentation
- Medication administration
- Patient identification

Key Drivers

Data Security	Connectivity

Meet the Store Manager Who Never Stops Moving

Persona: Retail Associate / Store Manager

Their Challenge:
Juggling POS transactions, checking inventory in the stockroom, and assisting customers on the floor. Their old device was slow and the battery died mid-shift.

The RT112 Solution:
With the RT112, she runs Windows-based POS and ERP apps instantly. The powerful Wi-Fi 6E and 5G connection never drops, and 8,800 mAh battery easily lasts her entire 10-hour shift.

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Meet the Front Desk Host Who Delivers Flawless Service

Persona: Front Desk / Service Staff

Their Challenge:
Needs an elegant, professional-looking device for guest check-in and order taking, but consumer tablets lack the durability and security for enterprise transaction systems.

The RT112 Solution:
The RT112's sleek 12mm body looks professional at the front desk, while its enterprise-grade durability and Windows security provide a reliable, secure tool for managing guest services all day long.

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Meet the Nurse Focused on Uninterrupted Patient Care

Persona: Nurse / Clinical Staff

Their Challenge:
Documenting patient data during ward rounds requires secure, constant access to the hospital's network. Heavy tablets are cumbersome to carry, and connection drops cause critical delays.

The RT112 Solution:
The RT112 is a rugged tablet that provides secure, dependable Wi-Fi 6E connectivity across the entire hospital. Its lightweight 690g design makes it easy to carry, ensuring patient care is never interrupted.

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Feature Highlight

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Product Highlights

RT112 Windows on Arm Technical Specifications

Processor
Qualcomm™ 6490 Octa-Core
(Powerful & Efficient)

Lightweight
Only 690g
(All-day comfort)

Ruggedness
IP67 & 1.5M Drop Resistance
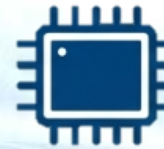(Enterprise-grade durability)

Connectivity
Dual 5G/ Wi-Fi 6E /Esim
(Always connected, always fast)

Battery
8,800mAh Removable Battery
(Full-shift power and beyond)

8GB RAM + 128 GB
Ample memory and storage to support
multitasking and data storage needs

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A tour
about RT112 WoA

RT112 Specifications Highlight

Operating system	
CPU	**Qualcomm Snapdragon™ 6490** Processor, 64bits, Octa Cores up to 2.7GHz
Memory	8GB+128GB
OS	Windows 11 Enterprise
Languages	Multiple languages
Display	
Resolution Display (1920 x 1200), Backlight 450 nits	
Camera	
13MP rear camera with LED flash and auto-focus function	

RT112 Specifications Highlight

Communication	
USB	USB 3.0 (Type-C) support USB OTG
WWAN	5G/4G/3G/2G (eSIM available)
WLAN	WLAN 6E, 2.4GHz & 5GHz & 6GHz (MIMO 2X2), Support DBS
Bluetooth	Bluetooth® 5.2

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RT112 Specifications Highlight

Others	
Indicator	LED, Speaker, Vibrator
MIC	Dual noise-cancelling microphones
Sensors	Gyroscope, Accelerometer (G-sensor), E-compass, Light & Proximity Sensor
GPS	GPS, BeiDou, Glonass, Galileo, QZSS, NavIC and SBAS (for WWAN model only)
Power Source	
Main battery	Removable 8,800mAh
Mechanism	
Dimension: 260x165x12 mm / Weight: 690g included battery	

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Deployment Consideration

To ensure successful deployment, please note the following:

Device Management:

Unitech MoboLink doesn't currently support Windows

NFC Support:

RT112WoA does not included an NFC reader

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SKU & Accessories

Ordering Information & Availability

📱 Main Units

PN	Description
📶 **5G / WLAN Models**	
RT112-QDNFUMDG	5G, with scan Engine
RT112-0DNFUMDG	5G, without Scan Engine
📶 **WiFi only Models**	
RT112-QD6FUMDG	WiFi, with scan Engine
RT112-0D6FUMDG	WiFi, without Scan Engine

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SKU & Accessories

Ordering Information & Availability

Key Accessories

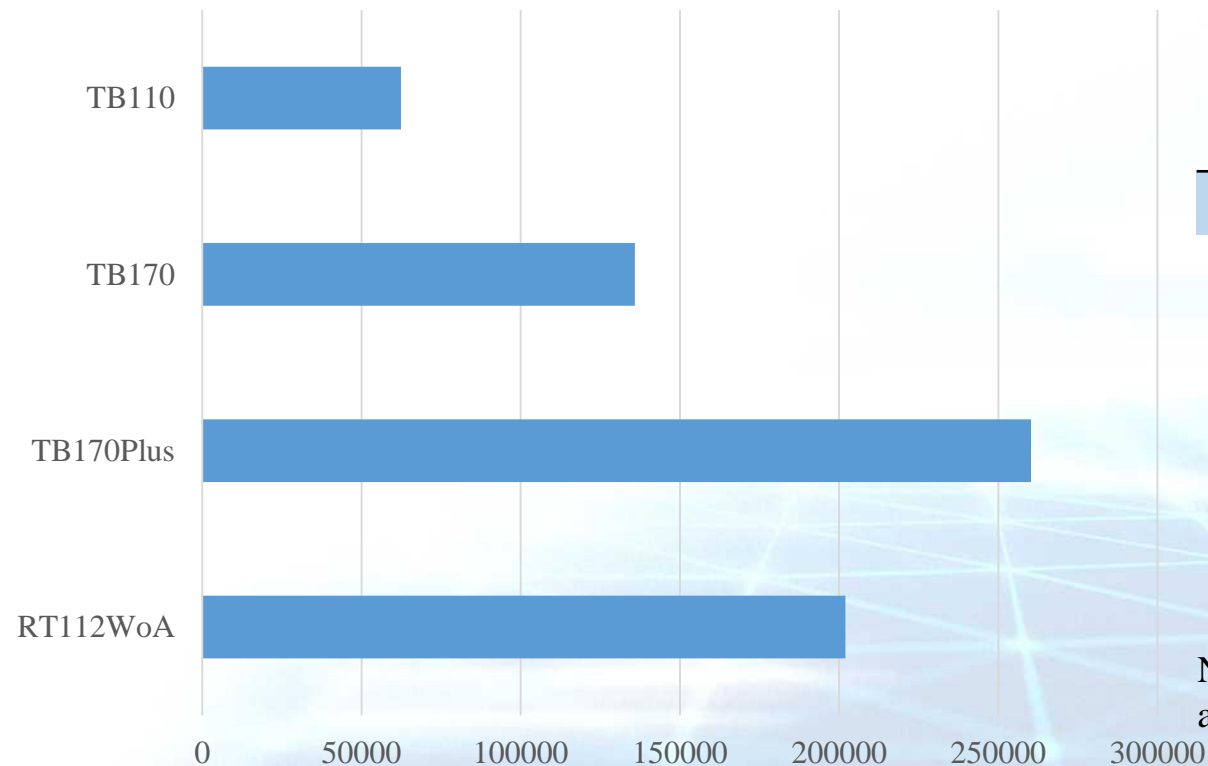| PN	Description
5400-900061G	Rotatable Hand Strap
3210-900041G	Shoulder Strap
5400-900060G (10pcs with Packing)	9H Glass Screen Protector
5000-900124G	Office Cradle
1400-900077G	8800mAh Battery
4070-900019G	POS Mount
5400-900065G	VESA Plate

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RT112 Windows vs. TB170Plus

Product Positioning Overview

Feature	RT112 Windows	TB170Plus
Form Factor	Slim & lightweight tablet, 690g	Rugged, industrial-grade tablet, 990g
Target Markets	Retail, Hospitality, Healthcare, BL 450 nits	Manufacturing, Field Services, Outdoor Environments, BL 800 nits
Durability	Light-duty design for indoor use	Highly rugged, built for harsh and demanding conditions
Use Case Focus	POS systems, patient care, front-of-house applications	Warehouse management, outdoor inspections, industrial control

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Performance Benchmarks

RT112 Windows on Arm Technical Specifications

Model	Arch	Score
RT112 WoA	x86_64	202,038
TB170Plus	x86_64	260,260
TB170	x86_64	135,893
TB110	x86_64	62,353

Note: Benchmark results are based on x86_64 architecture

What's in the box

Standard package

01   RT112 Windows Terminal with Battery + screen protector

02   Adaptor

Note:

- Package not include power cord