

RO8IWK8M-RTU1GP, 8.4-inch Ultra Rugged Tablet

An Ultra Rugged Tablet Built to Handle the Toughest Tasks

The R08IWK8M-RTU1GP is an 8.4-inch ultra-rugged tablet with a robust set of features designed to handle the toughest tasks while providing high tech solutions that increase productivity, improve safety, and reduce operational costs. The processing power comes from Intel's 8th generation Core i5-8265U Whiskey Lake in a magnesium aluminum housing with protective rubber for military standard ruggedness. The R08IWK8M-RTU1GP is a no-nonsense, field ready ultra-rugged tablet that can act as a powerful workstation in an easy to use package.









Highlights

- 8th Gen. Intel® Core™ i5-8265U1.6 GHz (turbo up to 3.9GHz)
- 8.4" 800 x 600 Resolution Transflective TFT-LCD Panel
- · Plastic front cover and Alu-Mg Alloy rear cover with Protective Rubber
- · Trusted platform module (TPM) V2.0
- Bulit-in Wireless / BT / GPS
- · Optional 4G LTE
- Adjustable Kickstand that is convertable to a handle(Optional)







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Display Specification

 Resolution
 800 x 600

 Contrast Ratio
 600:1

 Brightness
 600 nit

 Viewing Angle
 75/75/60/70

 Touch
 Resistive Touch

System Specification

CPU Intel® Core™ i5-8265U 1.6 GHz (turbo up to 3.9GHz)

System Chipset Intel UHD Graphics

 System Memory
 4GB SODIMM DDR4-2400 (Max32GB)

 Storage
 128GB M.2 SSD (Max 512GB)

 Operating System
 Windows 10 IoT Enterprise

Interface

Ethernet LAN 1 x RJ45

COM 1 x RS232/422/485 (Thru BIOS Setting)

USB 2 x USB 3.0

Power Input 1 x Power Jack

Memory Card Slot 1 x Micro SD Card Slot

SIM card slot 1 x Micro SIM Card Slot

Audio Connector 1 x Audio Combo Connector (Mic in or Line out)

Audio

Speaker 2 x 1 Watt Speaker

Wireless Communications

WWAN Optional 4G/ LTE or 3G WLAN 802.11 a/b/g/n/ac

BT BT

GPS u-Blox Neo-M8N, supports GPS

(Optional GLONASS, Galileo, BeiDou)

Keyboard and Input

Physical Buttons 1 x Power, 1 x Menu, 3 x Function Key,

2 x Brightness Control Key

LED Indicators Power, Battery, HDD, RF

Data Capture

Barcode 1D/2D Barcode Reader (Optional)

Mechanical and Environment

Dimensions 266 x 222 x 50 mm

Weight 2.39 kg

Housing Aluminum Magnesium Alloy Housing with Protective Rubber Operating Temperature -20°C to 60°C (AC Mode), -10°C to 50°C (Battery Mode)

Storage Temperature -30°C to 70°C

Operating Humidity
Shock
NUL-STD-810G Method 516.6 Procedure I
Wibration
MIL-STD-810G Method 514.6 Procedure I

Drop MIL-STD-810G Method 516.6, 4ft to concrete

IP Rating Default IP54 (Optional IP65)

Power Management

Power Input 19V DC

Battery 11.1V, 5200mAh Lithium-Ion Battery (6cells)

Battery Operating Time 8 hours
Power Consumption 15W

AC Adapter 100-240V, 50-60Hz / 19V DC

Security Function

Security Trusted platform module (TPM) V2.0

Standards and Certification

EMC FCC Safety CE

Accessories

Standard Accessories

Adapter and Power Cord Standard Battery Quick Start Guide Manual & Driver CD Touch Stylus

Optional Accessories

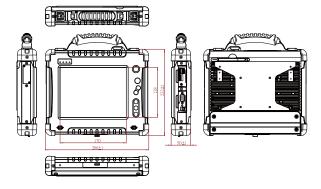
Adjustable Kickstand

Multi-functional Desktop Docking station

Vehicle Mounting Charger Kit Car Power Charger

Hand Strap Shoulder Strap Soft Shell Case Carry Bag

Drawing





Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)

Do not expose bare skin to this product when handling this unit in extreme

Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.

2. This is a simplified drawing and some components are not marked in detail.



Release Date:08-Oct-2020 V1.0



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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