# R10IK8M-RTT2GP, 10.4-inch Ultra Rugged Tablet

## An Ultra Rugged Tablet Built to Handle the Toughest Tasks

The R10IK8M-RTT2GP is an 10.4-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 7th generation Core i5-7200U Kaby Lake in a magnesium aluminum housing with protective rubber for military standard ruggedness. The R10IK8M-RTT2GP is a no-nonsense, field ready ultra-rugged tablet that can act as a powerful workstation in an easy to use package.



## Highlights

- 7th Gen. Intel® Core™ i5-7200U, 2.5 GHz (turbo up to 3.1 GHz)
- 10.4" 1024 x 768 Resolution Transflective TFT-LCD Panel
- Alu-Mg Alloy Housing with Protective Rubber
  for MIL-810G Shock, Vibration and Drop Std.
- Trusted platform module (TPM) V2.0
- Bulit-in Wireless / Bluetooth / GPS
- Optional 4G LTE
- Adjustable Kickstand that is convertable to a handle (Optional)

| Order Information | | | |
|---|---|---|---|
| | WWAN | Kickstand | 1D/2D Barcode |
| R10IK8M-RTT2GP | 4G/LTE (Optional) | N / A | Optional |
| R10IK8M-RTT2GPKS | 4G/LTE (Optional) | Default | Optional |

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## Display Specification

| | |
|---|---|
| Resolution | 1024 x 768 |
| Contrast Ratio | 1000:1 |
| Brightness | 700 nit |
| Viewing Angle | 88/88/88/88 |
| Touch | Resistive Touch |

## System Specification

| | |
|---|---|
| CPU | Intel® Core™ i5-7200U 2.5 GHz (turbo up to 3.1 GHz) |
| System Chipset | Intel HD Graphics 620 |
| System Memory | 4GB SODIMM DDR4-2133 (Max 16GB) |
| 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) |
| Sensors | Light sensor |

## Audio

| | |
|---|---|
| Speaker | 2 x 1 Watt Speaker |

## Cameras (Optional)

| | |
|---|---|
| Front Camera | 2MP |
| Rear Camera | 5MP with autofocus |

## Wireless Communications

| | |
|---|---|
| WWAN | Optional 4G/ LTE or 3G |
| WLAN | 802.11 a/b/g/n/ac |
| Bluetooth | 4.0 |
| 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 |
| Touch | Resistive Touch |

## Data Capture

| | |
|---|---|
| Barcode | 1D/2D Barcode Reader (Optional) |

## Mechanical and Environment

| | |
|---|---|
| Dimensions | 266 x 220 x 50.5 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 | 10 to 90% RH, non-condensing |
| Shock | MIL-STD-810G Method 516.6 Procedure I |
| Vibration | 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 [1] |
| Power Consumption | 15W |
| AC Adapter | 100-240V, 50-60Hz / 19V DC |

## Security Function

| | |
|---|---|
| Security | Trusted platform module (TPM) V2.0 |

## Standards and Certification

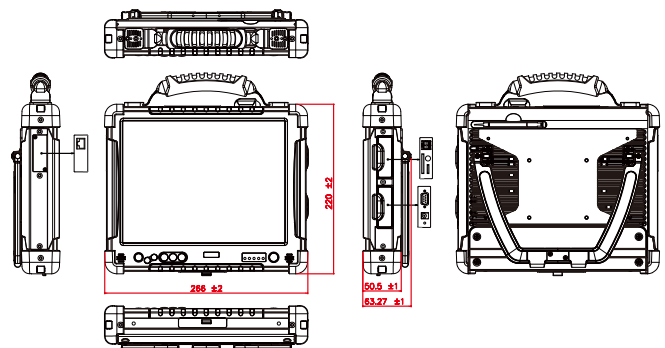| | |
|---|---|
| EMC | FCC |
| Safety | CE |

## 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 [2]



⚠ **Caution** 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 hot or cold environments

1. 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.

# 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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