

## 11.6" Windows Rugged Tablet with Intel® Core™ i Processor

### Overview

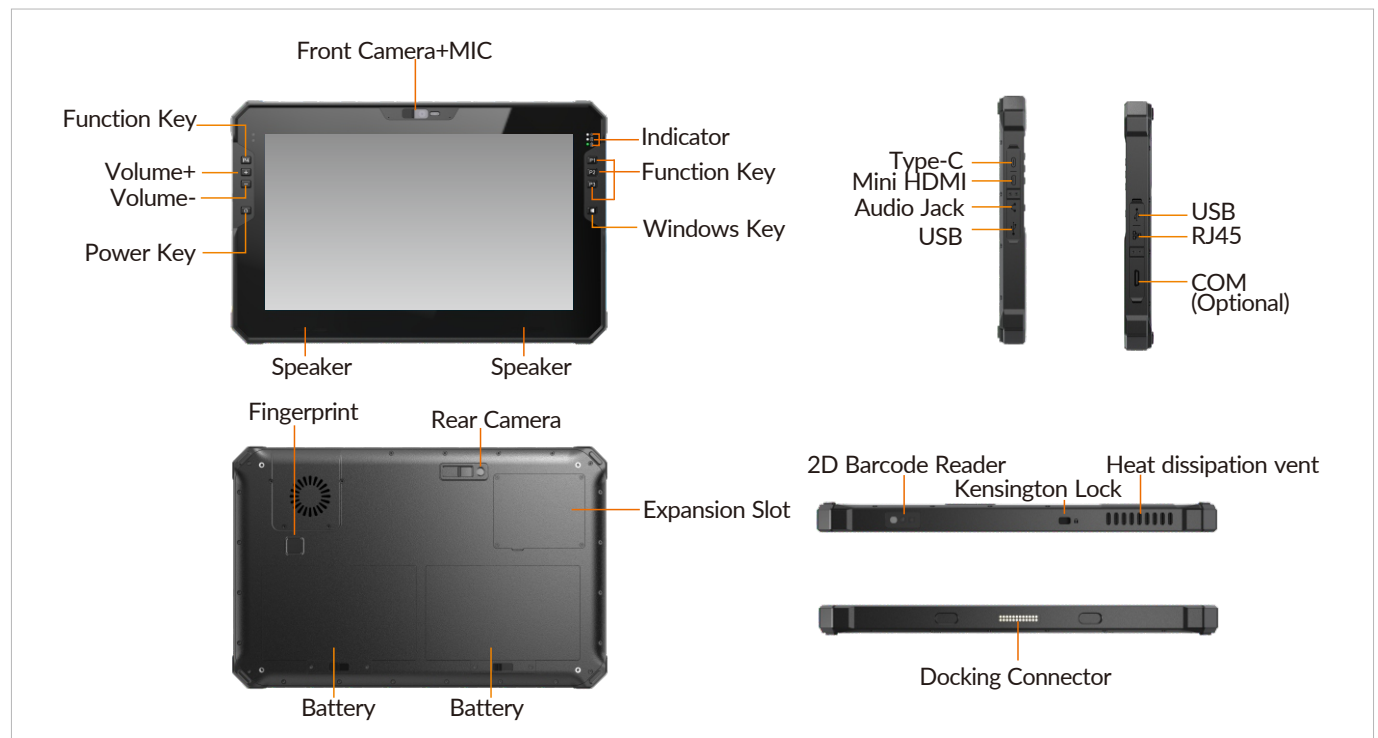
The RTC-I116 features an 11.6-inch touchscreen and a high-performance 12th gen Intel® Core™ i7/i5 processor, boasting a sleek and durable design. Equipped with built-in 4G, Intel® Wi-Fi 6E, and Bluetooth V5.3 high-speed wireless technologies, it can efficiently transmit data in real-time. Combined with a dual-battery design and comprehensive security protection, including smart card access and fingerprint/face recognition, the RTC-I116 provides ultimate manageability for field workers. The RTC-I116 has passed military-grade MIL-STD-810H standards and holds an IP66 rating, capable of withstanding water, dust, and drops, showcasing its durability in extreme conditions.

### Features

- 12th gen Intel® Core™ i7/i5 processor
- 11.6" FHD (1920 x 1080), 1,000 nits sunlight-readable display with support for rain, gloves, and active pen touch
- Rich I/O interfaces including: RS-232/422/485 (optional), RJ45 Ethernet, USB, HDMI
- High capacity dual hot-swappable battery design
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint reader
- Enhanced security with Windows Hello authentication through fingerprint and front camera
- Connectivity options include Wi-Fi 6E, 4G, Bluetooth 5.3, and GNSS
- IP66 and MIL-STD-810H certified



### I/O Interfaces



## Specifications

|                                   |                                                                                                                                                             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display</b>                    |                                                                                                                                                             |
| Size                              | 11.6-inch                                                                                                                                                   |
| Touch Type                        | Capacitive touchscreen, G+G, hardness 7H                                                                                                                    |
| Display Type                      | 16:9 TFT IPS                                                                                                                                                |
| Resolution                        | 1920 x 1080                                                                                                                                                 |
| Luminance                         | 1,000 nits                                                                                                                                                  |
| Contrast Ratio                    | 1,000:1                                                                                                                                                     |
| View Angles                       | 85 (left), 85 (right), 85 (up), 85 (down)                                                                                                                   |
| Color                             | 16.7M                                                                                                                                                       |
| <b>System</b>                     |                                                                                                                                                             |
| CPU                               | Intel® Core™ i5-1235U, 2P-Cores, 8-Cores, 12 threads, 1.3 GHz-4.4 GHz<br>Intel® Core™ i7-1255U, 2P-Cores, 8-Cores, 12 threads, 1.7 GHz-4.7 GHz              |
| Memory                            | 16 GB LPDDR5 (up to 32 GB, optional)                                                                                                                        |
| Storage                           | 256 GB NVMe PCIe SSD (up to 1 TB, optional)                                                                                                                 |
| Camera                            | Front: 5MP fixed focus camera (Windows Hello, optional)<br>Rear: 12MP autofocus camera                                                                      |
| Sensor                            | G-sensor, Light sensor, Gyroscope                                                                                                                           |
| <b>Keypad &amp; Keyboard</b>      |                                                                                                                                                             |
| Buttons                           | 1x power key, 1x volume+, 1x volume -, 1x Windows key, 4x function keys (P1, P2, P3, P4)                                                                    |
| <b>I/O Ports</b>                  |                                                                                                                                                             |
| USB                               | 1x Type-C (supports power charging and data transfer)<br>2x USB 3.0 Type-A                                                                                  |
| Serial                            | 2x COM (1x RS232/422/485, 1x RS232, optional)                                                                                                               |
| Ethernet                          | 1x RJ45 10/100/1000M                                                                                                                                        |
| Display                           | 1x Mini HDMI                                                                                                                                                |
| Audio                             | 1x 3.5 mm audio combo jack                                                                                                                                  |
| SIM Card Slot                     | 1x Nano SIM card slot                                                                                                                                       |
| Docking Connector                 | 1x 24 pin                                                                                                                                                   |
| <b>RF Communication</b>           |                                                                                                                                                             |
| Wi-Fi                             | Wi-Fi 6E 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax                                                                                                              |
| Cellular                          | WCDMA: B1/B2/B4/B5/B6/B8/B19<br>LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12 /B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71<br>LTE-TDD: B34/B38/B39/B40/B41/B42 /B43/B48 |
| Bluetooth                         | Bluetooth® V5.3                                                                                                                                             |
| GNSS                              | GPS, GLONASS, BeiDou                                                                                                                                        |
| <b>Data Collection (optional)</b> |                                                                                                                                                             |
| NFC                               | 13.56 MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare, card reading distance: 2 to 5cm                                                               |
| RFID                              | UHF RFID: supports PR9200                                                                                                                                   |
| Barcode Reader                    | 1D, 2D barcode reader                                                                                                                                       |
| Fingerprint                       | Windows Hello                                                                                                                                               |
| <b>Audio</b>                      |                                                                                                                                                             |
| Speaker                           | 8Ω/2W, dual stereo speakers                                                                                                                                 |
| MIC                               | Dual microphone                                                                                                                                             |
| <b>Power</b>                      |                                                                                                                                                             |
| Power Adapter                     | Input AC: 100-240V, 50-60Hz, 1.5A MAX<br>Output DC: PD65W                                                                                                   |
| Battery                           | Dual batteries, hot-swappable, 7.7V 58Whr, with battery indicator                                                                                           |
| Battery Life                      | 6 hours                                                                                                                                                     |
| <b>Operating System</b>           |                                                                                                                                                             |
| Windows                           | Windows 10, Windows 11                                                                                                                                      |

| Mechanical             |                                                           |
|------------------------|-----------------------------------------------------------|
| Dimensions (W x D x H) | 315 x 203 x 20 mm (12.40 x 7.99 x 0.79 inches)            |
| Weight (N.W.)          | 1550 g (3.42 lbs)                                         |
| Environment            |                                                           |
| Operating Temperature  | -20 °C to 60 °C (-4 to 140°F)                             |
| Storage Temperature    | -30 °C to 70 °C (-22 to 158°F)                            |
| Relative Humidity      | 95% @ 40°C (104°F), non-condensing                        |
| Vibration              | MIL-STD-810H: 2022 method 514.8 procedure I               |
| Drop                   | MIL-STD-810H: 2022 method 516.8 procedure IV, 4 ft./1.2 m |
| IP Rating              | IP66                                                      |
| Certification          |                                                           |
| EMC                    | CE, FCC                                                   |

## Dimensions

