

# R80



## **RUGGED** A TRUSTWORTHY PARTNER

### **8" Windows® Rugged Tablet Intel® Pentium® N6415**

R80 is a rugged tablet that boasts an 8" 1920x1200 high-resolution IPS LCD panel. This ensures exceptional image quality, visibility, and anti-glare properties, making it suitable for both indoor and outdoor working environments.

With the Intel® Pentium® N6415 processor, 8GB LPDDR4X memory, and a 128GB SSD (upgradeable to 512GB SSD), R80 guarantees stable performance for multitasking.

Integrated Wi-Fi 6 technology and optional 4G cellular network, R80 provides out-standing wireless communication capability.

User-replaceable expansion port design of R80 offers a perfect suitable solution for various interface requirements from different industrial applications.

### **Key Features**

- Windows® 10 IoT Enterprise, Intel® Pentium® N6415
- 8" 1920 × 1200 resolution
- 8GB LPDDR4X, 128GB SSD(up to 512 GB SSD)
- Support wet & glove-friendly touch
- IP65 protection
- Replaceable battery
- Expansion ports of RJ45/USB2.0/RS232
- Wi-Fi 6, BT v5.1, optional 4G LTE
- Built-in GPS
- Complete Accessory Package to facilitate your work

Download the Accessory Guide R80 on [www.rugstorm.com/download](http://www.rugstorm.com/download)

### Operating System

- Windows® 10 IoT Enterprise SAC 64 bit

### Processor

- Intel® Pentium® N6415, 1.2 GHz up to 3.0 GHz

### Memory & Storage

- 8 GB LPDDR4X
- 128 GB SSD
  - Optional 256 GB SSD
  - Optional 512 GB SSD

### Display

- 8" 1920 x 1200 resolution
- Support wet & glove modes with capacitive 10-point touch
- 500 nits typical
- Direct bonding

### Sensors

- Ambient light sensor
- Accelerometer

### Audio

- 1 x 3.5 mm audio combo jack
- Built-in microphone
- 95db speaker (10 cm, 1 kHz)

### Camera

- 5 MP rear camera with autofocus and flashlight
- 2 MP front camera

### Interface

- 1 x USB3.1 Type-A, 1 x USB3.1 Type-C
- 1 x Nano SIM card slot
- 1 x Micro SDXC (Max: 1TB) slot
- Status indicators
  - 1 x Power
  - 1 x Battery
  - 1 x Front camera
- Buttons (programmable)
  - 1 x Power
  - 1 x Home (default)
  - 1 x Screen rotation lock (default)
  - 2 x Volume +/- (default)
- Bottom-docking connector 7-pin
- Expansion slot
  - RJ45
  - RS232
  - USB2.0 + USB2.0

### Dimension & Weight

- 236.0mm L x 142.0mm W x 15.9mm D/9.3" L x 5.6" W x 0.6" D
- 0.72kg/1.6lbs

### Power

- Removable 7.6 V, 4200mAh typical
- Not less than 7.5 hours working time (JEITA 2.0)
- AC/DC adapter: Input AC 100-240V 50/60 Hz; Output DC 20V, 3.25A

### Wireless Connectivity

- Wi-Fi (WLAN)
  - 802.11 a/b/g/n/ac/ax 2.4, 5, 6 GHz
- Cellular (WWAN)
  - 4G LTE Global version (optional)
- BT (WPAN)
  - v5.1
- GNSS
  - GPS
  - Galileo
  - BeiDou
  - GLONASS

### Environment & Ruggedness

- Operating temperature
  - -10°C to 55°C/14°F to 131°F
- Storage temperature
  - -40°C to 70°C/-40°F to 158°F
- Humidity
  - 0% to 95% non-condensing
- Sealing
  - IP65
- Magnesium-aluminum alloy internal frame

### Certifications

- FCC
- CE, RoHS2
- WEEE

### Optional Accessory

- Hand Strap
- Shoulder Strap
- USB Module
- RS232 Module
- RJ45 Module
- Barcode Reader
- Office Dock