

Sonim RS80

Fully-rugged tablet and barcode scanner

Fully-rugged and ready to perform.

The Sonim RS80 is a lightweight 8" SmartScanner that is purpose built to the toughest standards in the industry, making it the smart choice for mission critical data collection and mobile computing in a variety of industries.

Waterproof.
Drop proof.
Chemical resistant.
Long-lasting battery.

Designed to perform in any environment, the Sonim RS80 is made to withstand the toughest working conditions. With its glove-friendly sunlight readable, 8" display, multi-shift battery and integrated barcode scanner, it has everything you need in a fully-rugged tablet.



Features

Fast, reliable scanning

Scan continuously with the integrated high-speed barcode scanner.

Chemical resistant for extra safety

The RS80 is waterproof and chemical resistant, making it easy to disinfect with recommended cleaning agents.

Drop proof and glove-friendly

MIL-STD-810G and IP67 ratings ensure durability, while a glove-friendly, sun-light readable, 8" display makes operation easy, even in extreme environments.

SonimWare included

Increase productivity and efficiency with our propriety set of software tools, applications and utilities designed specifically for our customers.

Programmable buttons and Push-to-Talk ready

Supports Push-to-Talk applications that allow for instant communication, while the customizable physical buttons let you tailor the RS80 to your workflow.*

High-bandwidth 4G LTE

connectivity ensures you always have a strong connection for high-speed communication.

High-capacity multi-shift battery

The user replaceable high-capacity multi-shift battery provides more than enough power to get you through the day.

*Will be enabled through upcoming software release.

Sonim RS80

technical specifications



Core Platform/Functions

| | |
|-------------------------------|---|
| Operating System | Android™ 10 |
| Chipset | Qualcomm MSM8953 Pro, Octa-core 2.2GHz |
| Bands | LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B20/B25/B26/B28a/B38/B39/B40/B41/B66 GSM: 850/900/1800/1900MHz WCDMA: B1/B2/B4/B5/B8 |
| 1 Wi-Fi | 802.11 a/b/g/n/ac/ef/r Dual band 2.4GHz / 5GHz |
| Memory | 4GB RAM/64GB ROM Supports up to 256 GB MicroSD external memory |
| 2 Barcode Scanner | Integrated high performance scan engine 1D & 2D symbologies supported |
| Preloaded Applications | SonimWare: Scan Google Play |

Connectivity

| | |
|----------------------------|--|
| Bluetooth | BT 4.2 / BLE |
| Wi-Fi Calling | No |
| GPS | GPS/a-GPS, GLONASS, Galileo, Beidou |
| Sensors | Ambient Light, Accelerometer, E-Compass, Gyro, Barometer |
| NFC | Yes |
| Languages Supported | Visit support.google.com for a full list of languages |

Battery

| | |
|-----------------|--|
| Capacity | 8200 mAh Li-Ion (31.16 WHr), Removable |
| Charging | Quick Charge 3.0 via USB-C |

To learn more about the RS80 SmartScanner, please visit our website at www.sonimtech.com

Physical Characteristics

| | |
|------------------------------|--|
| Size | 235mm x 146mm x 15mm |
| Weight | 673 g |
| Dedicated Keys | Programmable hard keys available* F1 (programmable), F2 (programmable), Back, Home, Recent, Power, Volume up, Volume down |
| Ports | USB-C 2.0 3.5 mm audio 4FF Nano SIM |
| Rugged Certifications | MIL-STD-810G; IP-67 |
| Environmental | Operation: -20 to +55 C Storage: -40 to +70 C Humidity: 0-95% RH, non-condensing |

Display

| | |
|--------------------|--|
| 3 Size/Type | 8.0 inch, Gorilla Glass 3 |
| Resolution | FHD+ 1920 x 1200, Sunlight readable Anti-Fingerprint coating Glove and Wet touch modes |

Audio

| | |
|-------------------|-------------------|
| Microphone | Single mic |
| 4 Speaker | Rear loud speaker |

Multimedia

| | |
|--------------------------|---|
| Audio Formats | AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3 |
| Video Formats | 3GPP, MP4, WMV, AVI, MOV, MPEG-2, MPEG-4, H.263, H.264, H.265 |
| Graphic | JPEG, PNG, BMP |
| Media Player | Yes |
| Camera | Front: 5 MP Rear: 13 MP with Flash and auto-focus |
| Flashlight | Yes |
| Inbox Accessories | Battery, Wall Charger (US, UK, EU, ANZ plugs), USB-C Cable, Handstrap |

*Will be enabled through upcoming software release.

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