Data Sheet: Smart Scanner

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.

2 YEAR
COMPREHENSIVE WARRANTY

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.

2-year comprehensive warranty
Rest easy knowing your device is covered with a 2-year warranty should anything happen to it.

*Will be enabled through upcoming software release.

Sonim RS80
technical
specifications

**android
enterprise
recommended**

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	802.11a/b/g/n/ac/e/i/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.

sonim