Data Sheet

Sonim XP8 Ultra-rugged smartphone



Safe to disinfect and built to last

Mission critical situations require smart communication, data collection/sharing and connectivity more than ever before. And in extreme conditions, no ordinary smartphone will do. Built to the toughest standards in the industry, **Sonim Rugged Performance Standards**.

Waterproof.
Drop proof.
Impact-resistant.
Chemical-resistant.

Sonim XP8 is simply the most reliable smartphone you can carry.

Features

Survive hazardous and extreme environments with **Industry-Leading Rugged Performance Standards,** MIL-STD-810G and Non-Incendive Class I, II & III, Div 2 ratings

Thoroughly disinfect your device with chemical agents including isopropyl alcohol, chlorine bleach, detergents and more

Access programmable buttons and applications in any condition with **Gloved hand/Wet finger operation**

Hear every word even in the noisiest places with **Extremely Loud & Clear Audio**

Communicate more powerfully, more freely, more securely with **Handset Powered Audio Accessories** connected through **Sonim's SecureAudio Connector**

Connect instantly, reliably, every single time with **Push to Talk***

Enjoy all-day power with **Multi-shift Battery Life**

Install, manage and control communications more efficiently with **Hassle-Free Deployment** and the **Sonim SCOUT Enterprise XPerience**

Get more out of your device and your workers with **Android** and **Worker Productivity Applications***

Do more in more places with Industrial-grade Accessories connected through **Sonim's XPand Interface**

Communicate more, worry less with an unmatched **3-year Comprehensive Warranty**

* Please check with your service provider for availability.

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Sonim XP8 technical specifications



android enterprise recommended

Core Platform/Functions

Operating System	Android Oreo
Chipset	Snapdragon™ 630 with 2.2GHz x4 /1.9GHz x4 Octa cores
Band	**LTE:** B1/B2/B3/B4/B5/B7/B8/B12/ B13/B14/B20/B25/B26/B27/B28/ B29/B30/B38/B39/B40*/B41/B66 **UMTS:** B1/B2/B4/B5/B8 **GSM:** 850/900/1800/1900MHz
Carrier Aggregation	Download up to 3x CA
Wi-Fi	IEEE802.11 a/b/g/n/ac/r 2.4/5GHz Miracast™ - WiFi direct
Memory	4GB RAM/64GB ROM 45GB available user memory Supports up to 128GB MicroSD external memory
Preloaded Applications	Sonim SCOUT, Push-to-Talk[1], Google Play

Connectivity

Bluetooth	BT5.0 with BLE
Messaging	SMS, MMS
Wi-Fi Calling	Yes[1]
VoLTE	Yes[1]
Video Calling	Yes[1]
Location Service	GPS/a-GPS, GLONASS, Galileo*, BeiDou*
Sensors	Accelerometer, E-Compass, Light, Proximity, Barometer, Gesture, Gyroscope, Fingerprint
NFC	Yes
Languages Supported	Visit support.google.com for a full list of languages[2]
Real-Time Text (RTT)	Yes*
Dual SIM Dual Standby	Yes with Dual Nano SIM Slots

Battery

Capacity	4900mAh Li-Ion, Removable
Charging	Quick Charge 3.0 via USB-C
Battery Life	Talk: 35 Hours, Standby: 600 Hours

Inbox Accessories

Battery, Wall Charger, USB-C Cable, Screwdriver, Quick Start Guide (Other accessories may be included depending on country and carrier.)

Physical Characteristics

Size	152 mm x 79.5 mm x18 mm
Weight	335g
Dedicated Keys	PTT Key, Programmable Key, Volume Keys, SOS Red Alert, Power On/Off; Home, Back, & Recent
Ports	XPand Interface, USB-C, Sonim SecureAudio Connector, Charging Pins
Lanyard Loop	Yes
Rugged Certifications	IP Rating: IP68 / IP69K MIL-STD-810G Non-Incendive Class I, Div 2, Groups A-D Class II, Div 2, Groups F, G Class III, Div 2 ATEX/IECEx Zone 2*
Operating Temperature	-4°F to 131°F / -20°C to 55°C

Display

Size/Type	5" Gorilla Glass 3
Resolution	FHD 1080x1920
Colors	16.7M

Audio

Microphone	3 mic solution with noise cancellation
Speaker	Dual front-facing loud speakers; output 100dB+
HAC	M4/T4 Hearing Aid Compatible

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
FM Radio	Yes (Requires wired headset for antenna)
Camera	12MP PDAF Rear Camera with Flash 8MP FF Front Camera without Flash
LED Torch Light	Yes

1 Please check with your service provider for availability.
2 Language availability based on region.
* May vary by country.

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