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


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 Plus*

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.
Sonim XP8 technical specifications

Core Platform/Functions

Operating System  
Android™ 10

Chipset  
Snapdragon™ 630 with 2.2GHz x4 / 1.9GHz x4 Octa cores

Band  
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/e/k/r/h  
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, Google Play

Physical Characteristics

Size  
152 mm x 79.5 mm x 18 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

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

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

1 Language availability based on region.

* May vary by country.