

Sonim XP6 Ruggedized Smartphone

The Sonim XP6 is an Android smartphone in a classic ruggedized cellphone body. It's smart, tough, and adaptable, so workers in challenging and ever-changing environments can stay connected and informed.

Product Overview

The Sonim XP6 is more than just an Android smartphone: It's a ruggedized, versatile, purpose-built tool for mission-critical communications.

The XP6 smartphone is also Wi-Fi-, LTE-, and push-to-talk (PTT) ready. Organizations can deploy the Sonim XP6 as part of Cisco® Instant Connect, a cost-efficient PTT communication solution delivered over existing enterprise wireless networks.

Sonim XP6 has a daylight-visible screen, glove-friendly numeric keypad, 16-hour battery, noise cancellation, extra-loud speaker, and resistance to water, dust, drops, shocks, and more, making it tough enough for the most punishing conditions and environments. It's ideal for personnel in manufacturing, healthcare, and other industrial sectors. Plus, the Sonim XP6 delivers access to a wide variety of vertical worker safety and productivity applications, so essential information is always just a click away.

Figure 1: Sonim Wi Fi Only/LTE and Wi Fi XP6 Smartphone with Cisco Instant Connect Software (Left) and Sonim Intrinsically Safe Wi Fi/LTE XP6 Smartphone with Cisco Instant Connect Software (Right)



Table 1: Sonim XP6 Features and Benefits

Feature	Benefit
Touch screen and numeric keypad	Operate keys even with heavy gloves.
High-visibility display	Read screen even in direct sunlight.
Cisco Instant Connect PTT enabled	Communicate instantly with groups or individuals with the push of a button.
Sonim Rugged Performance Standards (RPS) certified	Use in extreme conditions; water, shock, vibration, temperature, microparticle, chemical, oil, puncture. Also drop resistant.
Wi-Fi IEEE standards 802.11 a, b, g, n, and r with hotspot feature	Log on through a wide range of Wi-Fi networks and use phone as a hotspot.
Long battery life	Gets 36 hours of talk time or 1000 hours on standby without charging.
Intrinsically Safe	ATEX II 2G Ex ib II CT4Gb IP64 ATEX II 2D EX ib IIIC T135 C Db IP64 IEC Ex ibIIIC T4 Gb IP64 IECEX Ex ib IIIC T135 C Db IP64 NEC&CEC Class I, Division 1, Groups A-D T4 NEC&CEC Class I&III, Division 1, Groups E-G T4

The Sonim XP6 delivers:

- **Long battery life.** Continuous use for back-to-back work shifts.
- **Glove usability.** Keys can be pressed with heavy work gloves.
- **Powerful audio.** 103 dB speaker performance and noise cancellation.
- **Waterproof connectivity.** Rated IP68 for complete submergibility in water, up to 2 meters for 30 minutes; rated IP69 for resistance to high-temperature pressure wash.
- **Microparticle resistance.** Rated IP68; completely sealed against the intrusion of microparticles.
- **Impact resistance.** Resistant to 2-meter drops on concrete from any angle.
- **Shock and vibration resistance.** Withstands sudden shocks of up to 30 standard gravity and vibrations from 5 Hz to 500 Hz.
- **Temperature resistance.** Fully operational from -20°C to 55°C. -20C to 55C (-4°F to 131°F.)
- **Extreme pressure resistance.** Withstands up to a ton of metric pressure.
- **Puncture resistant.** Hardened rubber-molded housing can withstand up to 4 joules of impact energy; the Corning Gorilla Glass screen can withstand impacts of up to 2 joules.
- **Oils and chemical resistance.** Resistant to petroleum oils and the corrosive nature of cleaning solvents.
- **Three-year comprehensive warranty.** Covers even accidental damage.

The Sonim XP 6 Wi-Fi Only is a new model option without the LTE radio. This model is perfect for schools, hospitals, and manufacturing facilities with Wi Fi coverage.

Key Benefits

- Device can be sanitized in virtually any chemical disinfectant and is covered with a 3-year comprehensive warranty.
- Drop proof from 6.5 feet onto concrete from any angle (most other devices are from 4 feet onto plywood over concrete).
- Massive battery with no need for a juice pack or removable battery.

The following software features are available by purchasing the phones directly through Cisco:

- **Channel scroll.** Users can press the quick launch button under the PTT button to change channels. This feature allows users to quickly scroll through a list of channels without having to touch the screen.
- **Direct channel connection.** Users can press the numeric channel button to join that channel. Administrators can put high-priority channels in numeric slots 1–9 for quick user access.
- **Solution Support.** Sonim phones are supported as part of the solution, helping customers troubleshoot issues on software, network issues, or phone issues.

Table 2: Core Functions

Core Platform/Functions	
Operating System	Android 4.4 KitKat
Chipset	MSM8926 1.2GHz
Band	FDD-LTE B2/B4/B5/B7 B1/B3/B8/B12/B17 <ul style="list-style-type: none"> • UMTS 850/900/1900/2100MHz • GSM 850/900/1800/1900MHz
Antenna	MIMO Antenna for LTE
Wi-Fi	802.11 a, b, g, n, and r with hotspot
Memory	8 GB internal storage; 1 GB RAM; 4 GB user memory
Applications	Google Play, Cisco Instant Connect
Intrinsically Safe	CSA Class 1, Division 1, Groups A, B, C, D TV CSA Class II & III, Division 1, Groups E, F, G T4
Connectivity	
Bluetooth/GPS/NFC	BT 4.0 BLE (Low energy)/GPS/GLONASS
SMS, MMS (text, image, audio, video)	Support SMS and MMS
Languages supported	English, Spanish
Email client	EAS, Gmail, POP3, IMAP

Battery

Capacity	Embedded 4800 mAh
Battery life (standby, talk)	Standby 1000 hours; talk 36 hours

Physical Characteristics

Size	5.4 in. x 2.5 in. x .8 in. (137 mm x 64.5 mm x 20.5 mm)
Weight	270 grams; 9.52 ounces
Certifications	FCC, PTCRB, IEEE1725, CEC, Bluetooth SIG, WFA, IC
Dedicated keys	PTT key, alarm key, power key
Ports	3.5 mm audio connector/magnetic USB connector/12-pin connector

Display

Size	2.63 in.
Type	Corning Gorilla Glass 2 transfective touch screen
Resolution	WVGA (320x432)
Outdoor visibility	Yes
Capacity	262K color

Audio

Microphone	Dual mic solution with noise cancellation
Speaker	19mm loud speaker with Gore protective vents, output up to 103dB

Multimedia

Audio formats	MP3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB
Video formats	Supports AVI, MPEG4, 3GPP
Media player	Android native + GMS
FM radio	Yes
Camera	5MP fixed focus
LED torch light	Yes

Accessories

Included in the box	Wall charger, magnetic USB cable, multitool
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Table 3: Ordering Information

Part Number	Description
CIS-SONIM-XP6=	Sonim XP6 high-level part number for ordering. Select this part number first in the Cisco ordering tool to see all available options.
CIS-IS	Intrinsically Safe Option to the Sonim XP6. Order this option to the CIS-SONIM-XP6= model for customers in oil and gas deployments that require Intrinsically Safe phones.
CIS-WIFI	Wi-Fi option to the Sonim XP6. Order this option to the CIS-SONIM-XP6= model for customers that want Wi-Fi-only phones.
CIS-GSM	GSM Option: Order this for connecting with cellular systems based on GSM technology. Note: This does not mean that the phone is homologated to the carriers network. Check with local carriers for a list of compliant devices. GSM technology is used throughout the world and by AT&T and T-Mobile in the United States.
CIS-DISTI	Distributor Option: Order this option for distributors with minimum volume purchase. Contact Cisco for more information. Does not include mobile client license.
CIS-NFR	Not For Resale (NFR): Order this option for partners and internal sales for demonstration devices or marketing samples. Does not include mobile client license.

Warranty Information

3-year comprehensive warranty, covering even accidental damage.

For More Information

For more information, visit our website: <http://www.cisco.com/go/instantconnect>.

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