

## Sonim XP7 Ruggedized Smartphone

The smart, tough, versatile, and ultrarugged Sonim XP7 Android smartphone is built to withstand punishing use in harsh environments. With its rubber-clad casing, it is completely submersible for up to 30 minutes and capable of taking underwater photos. It can withstand pressure washing and is also sealed against dust, dirt, oil, and chemicals.

### Product Overview

The Sonim XP7 is the toughest of the tough, built for people who work in extreme environments. Built with a water-tight casing, it can be used in underwater situations or in challenging, ever-changing industrial environments where workers need to stay connected and informed.

And don't worry about dropping it. The Sonim XP7 can take drops of 6 feet on concrete, from any angle. Plus, a daylight-visible touchscreen that can be used with dirty or wet gloves, along with noise cancellation, an extra- loud 103 decibels (dB) front-facing speaker, and the most long-lived battery in the industry make the Sonim XP7 the ultimate communication tool for extreme environments.

The Sonim XP7 is versatile, too, able to connect with Wi-Fi, LTE, and push to talk (PTT). That means users can instantly communicate with groups and individuals with the push of a button using Cisco® Instant Connect. Public safety users can also connect through the First Responder Network Authority (FirstNet)—the U.S. broadband network dedicated to emergency and daily public-safety communications.

**Figure 1:** Sonim Wi-Fi Only, LTE XP7 Phone with Cisco Instant Connect Software and (Left) Sonim Intrinsically Safe Wi-Fi Only, LTE XP7 with Cisco Instant Connect Software (Right)



**Table 1:** Sonim XP7 Features and Benefits

Feature	Benefit
<b>Glove-friendly touchscreen</b>	Operate keys even with wet and dirty gloves
<b>High-visibility display</b>	Read screen even in direct sunlight
<b>FirstNet LTE ready</b>	Operate over nationwide interoperable broadband network exclusively for public-safety users
<b>Cisco Instant Connect (Push to Talk) enabled</b>	Communicate instantly with groups or individuals with the push of a button
<b>Sonim rugged performance standards (RPS) certified</b>	Use in extreme conditions; water, shock, vibration, temperature, microparticle, chemical, oil, puncture, and drop resistant
<b>Wi-Fi IEEE standards 802.11 a, b, g, n, and r with hotspot feature</b>	Roam between Wi-Fi access points and use phone as a hotspot
<b>Long battery life</b>	Gets 36 hours of talk time, or 1,000 hours on standby, without charging
<b>Intrinsically Safe</b>	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 and CEC Class I, Division 1, Groups A-D T4 NEC and CEC Class I and III, Division 1, Groups E-G T4

## Built Tough for Mission-Critical Communications

The Sonim XP7 can be used with Cisco Instant Connect, a full-featured PTT system, enabling workers to immediately communicate and collaborate with groups or individuals by pushing one button. And public safety users can connect through the secure, nationwide FirstNet LTE broadband network, as well as through local Wi-Fi.

In addition to a rapidly growing number of vertical-specific applications, the Sonim XP7 is also compatible with a complete suite of industrial-grade accessories that are designed specifically for the ruggedized device.

The Sonim XP7 delivers:

- **Long battery life**—An unparalleled 36 hours of talk and 1000 hours on standby.
- **Glove usability**—Keys can be pressed with wet and dirty work gloves.
- **Powerful audio**—103 dB speaker performance and noise cancellation.
- **Waterproof connectivity**—International Protection Rating (IP) is 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 g force and vibrations from 5 Hz to 500 Hz.

- **Temperature resistance**—Fully operational from -20°C to 55°C. (-4°F to 131°F).
- **Extreme pressure resistance**—Withstands up to 1 ton of metric pressure.
- **Puncture resistant**—Hardened rubber molded housing can withstand up to 4 joules (J) of impact energy; the Corning Gorilla Glass screen can withstand impacts of up to 2 J.
- **Oils and chemical resistance**—Resistant to petroleum oils and the corrosive nature of cleaning solvents.
- **Three-year comprehensive warranty**—Covers even accidental damage.

The following 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 so that users can quickly scroll through a list of channels without having to touch the screen.

**Table 2:** Sonim XP7 Core Functions

Core Platform/Functions	
<b>Operating System</b>	Android 4.4 KitKat
<b>Chipset</b>	MSM8926 1.2 GHz
<b>Band</b>	FDD-LTE (North America Model): B2/B4/B5/B7 B1/B8/B12/B17 <b>4G-LTE (EU model): B1/B3/B7/B8/B20/B38 (TDD)</b> <b>CDMA (U.S. Verizon): BC0/BC1 (CDMA model only)</b> <ul style="list-style-type: none"> <li>• UMTS 850/900/1900/2100MHz</li> <li>• GSM 850/900/1800/1900MHz</li> </ul>
<b>Antenna</b>	MIMO antenna for LTE IEEE standards
<b>Wi-Fi</b>	802.11 a, b, g, n, and r with hotspot
<b>Memory</b>	16 GB internal storage; 1 GB RAM; 12 GB user memory
<b>Applications</b>	Google Play, Cisco Instant Connect technology
<b>Intrinsically Safe</b>	CSA Class 1, Division 1, Groups A, B, C, D TV <b>CSA Class II and III, Division 1, Groups E, F, G T4</b>
Connectivity	
<b>Bluetooth</b>	BT 4.0/Bluetooth Low Energy (BLE)
<b>Short Message Service (SMS), Multimedia Message Service (MMS) (text, image, audio, video)</b>	Supports SMS and MMS
<b>Languages supported</b>	English, French, Chinese, Japanese, Korean
<b>Email client</b>	EAS, Gmail, POP3, IMAP

Battery	
<b>Capacity</b>	Embedded 4800mAh
<b>Battery life (standby, talk)</b>	Standby 1,000 hours; Talk 36 hours

Physical Characteristics	
<b>Size</b>	5.4 in x 2.8 in x.8 in (137 mm x 72.1 mm x 20.8 mm)
<b>Weight</b>	270 grams; 9.52 ounces
<b>Certifications</b>	FCC, PTCRB, IEEE1725, CEC, Bluetooth SIG, WFA, IC
<b>Dedicated keys</b>	PTT key, Alarm key, Power key
<b>Ports</b>	3.5 mm audio connector/magnetic USB connector/12pin connector

Display	
<b>Size</b>	4.0 in
<b>Type</b>	Corning Gorilla Glass 2 with glove touch, Blanview display
<b>Resolution</b>	WVGA (480 x 800)
<b>Outdoor visibility</b>	Yes
<b>Capacity</b>	16.7M color

Audio	
<b>Microphone</b>	Dual-mic solution with noise cancellation
<b>Speaker</b>	19m loud speaker with Gore protective vents, output up to 103 dB

Multimedia	
<b>Audio formats</b>	MP3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB
<b>Video formats</b>	Supports AVI, MP4, 3GPP
<b>Media player</b>	Android native + GMS
<b>FM radio</b>	Yes
<b>Camera</b>	8 MP audio focus rear, 1 MP fixed focus front
<b>LED torch light</b>	Yes

Accessories	
<b>Included in the box</b>	Wall charger, magnetic USB cable, multitool

**Table 3:** Ordering Information

Part Number	Description
<b>CIS-SONIM-XP7=</b>	Sonim XP7 high-level part number for ordering. Select this part number first in the Cisco ordering tool to see all available options.
<b>CIS-IS</b>	Intrinsically Safe Option to the Sonim XP7. Order this option for the CIS-SONIM-XP7= smartphone for customers in oil and gas deployments that require Intrinsically Safe phones.
<b>CIS-Wi-Fi</b>	Wi-Fi option to the Sonim XP7. Order this option for the CIS-SONIM-XP7= for customers that want Wi-Fi-only phones.
<b>CIS-CDMA</b>	Order the code division multiple access (CDMA) option for connecting with cellular systems based on CDMA technology. <b>Note:</b> The phone is <b>not</b> homologated to the carriers network. Check with local carriers for a list of compliant devices. CDMA technology is used mainly by Verizon in the United States.
<b>CIS-GSM</b>	GSM Option- Order the GSM option for connecting with cellular systems based on GSM technology. <b>Note:</b> The phone is <b>not</b> 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.
<b>CIS-DISTI</b>	Order the Distributor option for distributors with minimum volume purchase. Contact Cisco for further information. Does not include mobile client license.
<b>CIS-NFR</b>	Order the Not For Resale (NFR) option for partners and internal sales for demonstration devices or marketing samples. Does not include mobile client license.

## Warranty Information

Three-year comprehensive warranty, which covers even accidental damage.

## Cisco Capital

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## For More Information

For more information about the Sonim XP7, visit <http://www.cisco.com/go/instantconnect>.



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