



# Safety Communicator

Safety Communicator is an industrial-grade smartphone and app serving as a personal information and communication hub for industrial workers.

Part of ConneXt Safety Solutions, Safety Communicator takes the Bluetooth® signal from a personal safety device and relays its data in real time to a remote host controller. It enables constant visibility of your workers' safety, so you can make fast, informed decisions to protect your workers, prevent a crisis and optimize operations.

With Bluetooth Low Energy (BLE) technology, the Safety Communicator is a great way to get wireless connectivity – without the expense of a private network. And if you already have a Wi-Fi or mesh network, Safety Communicator helps ensure continuous wireless monitoring when a worker is out of range.

Simply pair your safety device with the intrinsically safe, ruggedized, glove-friendly smartphone. Then use the Safety Communicator smartphone app to send data from the device using a publicly available cellular network to the real-time monitoring software in a remote location.



## Enhanced Safety

- Real-time monitoring
- Location tracking
- Instrument association
- Personal profile and settings

## Better Productivity

- Performance support
- Subject matter expert access
- Automatic data collection

## Improved Compliance

- Reports
- Policy Enforcement

## Ultra Ruggedized Smartphone

- Global approval for worldwide acceptance
  - IP-68 water- and dust-resistant
  - Short- and Long-range Communication
    - NFC
    - BLE
    - Wi-Fi
    - LTE (3G, 4G)
  - 8MP Camera and camcorder (can be disabled), Barcode Reader
  - Location (GPS, triangulation)
  - 4" Glove-friendly touchscreen
  - Push-to-Talk (PTT)
  - Android OS
- ## Potential Users
- Remote and Mobile Workers
  - Lone Workers
  - Plant Workers
  - Emergency Responders
  - High-Risk Workers

# Specifications

	Model XP7 IS (Intrinsically Safe)	Model XP7
<b>CORE PLATFORM/FUNCTIONS</b>		
Operating System	Android 4.4 Kit Kat®	Android 4.4 Kit Kat®
Chipset	MSM8926 1.2 GHz Quad core	MSM8926 1.2 GHz Quad core
Band	LTE B1/B2/B3/B4/B5/B7/B17UMTS 850/900/1900/2100 MHz GSM 850/900/1800/1900 MHz	FDD-LTE B2/B4/B5/B7 B1/B8/B12/ B17UMTS 850/900/1900/2100 MHz GSM 850/900/1800/1900 MHz
Antenna	MISO antenna for LTE	MIMO antenna for LTE
Wi-Fi	802.11 a/b/g/n with hotspot	802.11 a/b/g/n with hotspot
Memory	16 GB eMMC Internal storage/1 GB LPDDR User memory: 12 GB	16 GB Internal storage/1 GB RAM User memory: 12 GB
Applications	Google Play, Push-to-Talk	Google Play, Push-to-Talk
<b>CONNECTIVITY</b>		
Bluetooth, SMS, MMS (text, image, audio, video)	BT 4.0/BLE (Bluetooth Low Energy) Supports SMS and MMS	BT 4.0/BLE (Bluetooth Low Energy) Supports SMS and MMS
GPS, NFC	GPS, GLONASS, A-GPS, NFC	GPS, GLONASS, NFC
Languages supported	English, Spanish	English, French, Chinese, Japanese, Korean
Email Client	EAS, Gmail, POP3, IMAP	EAS, Gmail, POP3, IMAP
<b>BATTERY</b>		
Capacity	Embedded 3600 mAh	Embedded 4800 mAh
Battery Life	Standby: 700 h; Talk: 30 h	Standby: 1000 h; Talk: 40 h
<b>PHYSICAL CHARACTERISTICS</b>		
Size	137 mm x 72.1 mm x 26.9 mm (5.39" x 2.54" x 1.05")	137 mm x 72.1 mm x 20.8 mm (5.39" x 2.54" x 0.82")
Weight	370 g (13 oz)	290 g (10.2 oz)
IP Rating	<b>IP-68</b>	<b>IP-68</b>
Certification and Wireless Approvals	FCC, FCC Chapter 717, IC, PTCRB, GCF, CEC(BSC), IEEE 1725, NFC, Bluetooth SIG, Wi-Fi, CTS, WHQL, IECEX, NEC500 CSA IS Class I, II, III Div 1, Groups A-G T4 ATEX II 2GD Ex ib IIC T4 Gb, Ex ib IIIC T135°C Db	FCC, PTCRB, IEEE1725, CEC, Bluetooth SIG, WFA, IC
Dedicated Keys	PTT key, Alarm key, Power key	PTT key, Alarm key, Power key
Ports	3.5 mm audio connector/magnetic USB connector/12-pin connector	3.5 mm audio connector/magnetic USB connector/12-pin connector
<b>DISPLAY</b>		
Size	4.0"	4.0"
Type	Corning® Gorilla® Glass with glove touch, Blanview display	Corning® Gorilla® Glass with glove touch, Blanview display
Resolution	WVGA (480 x 800)	WVGA (480 x 800)
Outdoor	Yes	Yes
Visibility	16.7 million colors	16.7 million colors
<b>AUDIO</b>		
Microphone	Dual mic solution with noise cancellation	Dual mic solution with noise cancellation
Speaker	19 mm loudspeaker with Gore® protective vents, output up to 103dB	19 mm loudspeaker with Gore® protective vents, output up to 103dB
<b>MULTIMEDIA</b>		
Audio Formats	mp3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB	mp3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB
Video Formats	Supports avi, mp4, 3GPP	Supports avi, mp4, 3GPP
Media Player	Android native + GMS	Android native + GMS
FM Radio	Yes	Yes
Cameras	8 MP auto-focus rear, 1 MP fixed-focus front	8 MP auto-focus rear, 1 MP fixed-focus front
LED Torch Light	Yes	Yes
<b>ACCESSORIES</b>		
Inbox Accessories	Wall charger Magnetic USB cable with Safety Box Multi-tool	Wall charger Magnetic USB cable with Safety Box Multi-tool