



2019 SONIM XP8 CATALOGUE

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WHO SERVE US

+ **logic**wireless[™]

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INTRODUCING SONIM XP8 DEVICE

SMART FOR WORK BECAUSE IT'S 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.

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



SONIM XP8 DEVICES

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
- 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**
- Connect instantly, reliably, every single time with **Push-To-Talk***
- Communicate more, worry less with an unmatched **3-year Comprehensive Warranty**
- Enjoy all-day power with **Multi-shift Battery Life**
- Communicate more powerfully, more freely, more securely with **Handset Powered Audio Accessories** connected through **Sonim's SecureAudio Connector**
- 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**

*Please check with your service provider for availability

SONIM XP8

TECHNICAL SPECIFICATIONS

CORE PLATFORM/FUNCTIONS

Operating System	Android N
Chipset	Snapdragon 630 OctaCore @ 2.2GHz 64bit
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 CDMA/EVDO1: BC0/BC1/ BC10 GSM: 850/900/1800/1900MHz
Antenna	MIMO antenna for LTE
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-Talk2, Lone Worker/Man-down2, Google Play

CONNECTIVITY

Bluetooth	BT5.0 with BLE
Wi-Fi Calling	Yes
Messaging	SMS, MMS, Video Calling, OMA CPM Advanced Messaging
GPS	GPS, GLONASS, BeiDou
Sensors	Video Calling, OMA CPM Advanced Messaging2
NFC	Yes
Languages Supported	Visit support.google.com for a full list of languages3

BATTERY

Capacity	4900mAh Li-Ion, Removable
Charging	Quick Charge 4.0 via USB-C

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, Dual Nano SIM Card Slots
Lanyard Loop	Yes
Rugged Certifications	Non-Incendive Class I, Div 2, Groups A, B, C, D; Class II & III, Div 2, Groups F, G; MIL-STD-810G; IP-68 / IP-69

DISPLAY

Size/Type	5.0" 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

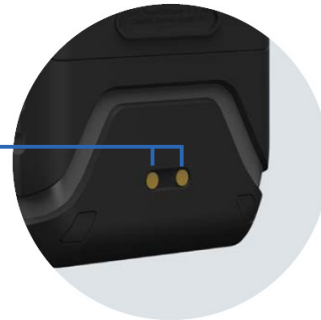
Multimedia	AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3
Video Formats	3GPP, MP4, WMV, AVI, MOV, MPEG-2, MPEG-4, H.263, H.264, H.265
Graphic	JPEG, PNG, BMP
Media Player	Yes
FM Radio	Yes
Camera	12MP PDAF Rear Camera with Flash 8MP FF Front Camera without Flash
LED Torch Light	Yes

XP8 INTERFACES



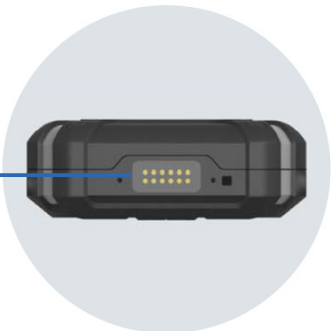
● SONIM SECUREAUDIO CONNECTOR

- Securely attach mission critical audio accessories
- Audio accessories thumb screw into handsets
- Poweraudio accessories via handset (no external batteries required)
- Increase audio performance via accessories (louder than battery-powered accessories)



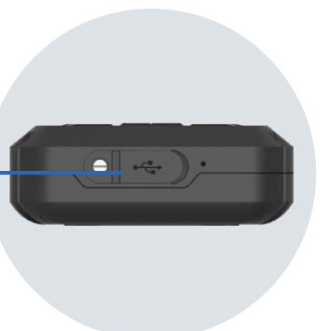
● CHARGING PINS

- Charge your device via externally exposed charging pins
- Enables drop-in and go desktop and multi-bay chargers



● SONIM XPAND CONNECTOR

- Extends the capabilities of the handset through rugged attached peripherals, such as XPand Direct Mode (for off-network communication)



● SONIM SECURECONNECT USB-C

- Compatible with USB-C accessories, with the ability to create custom accessories that screw into the handset for an ultra-reliable connection

Sonim XPand Same connector on XP5s and XP8

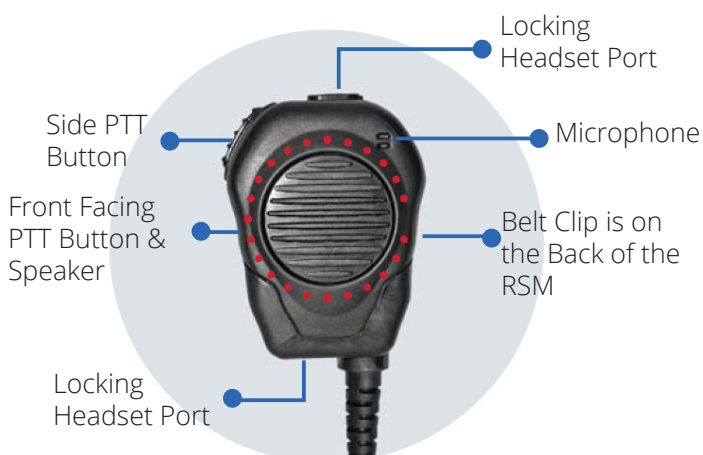
Sonim SecureAudio Connector Same connector on XP5s and XP8

Charging Pins Same connector on XP5s and XP8

Sonim USB-C SecureConnect Same connector on XP5s and XP8

USB-C Protocol XP8 USB-Type C USB 3.0 standard protocol. XP5s USB-Type C USB 2.0 is unable to power accessories, and is unable to be used for audio and power at the same time. XP5s USB-Type C is not compatible with 3.5mm adapters.

RSM FEATURES



KLEIN VALOR RSM



STONE MOUNTAIN PHOENIX RSM



**STONE MOUNTAIN PHOENIX RSM
WITH CHANNEL SECTOR**



AINA VOICE RESPONDER



LISTEN ONLY HEADSET

Each RSM has a 3.5mm connector to connect a wired listen-only earpiece. The optional listen-only earpiece redirects the receive audio, while still transmitting audio through the RSM. This is necessary when in a situation where you don't want audio broadcasted from the RSM. Please contact Logic Wireless for listen only headset options.

SONIM XP8 RSM

COMPETITIVE COMPARISONS



**SML PHOENIX
RSM**



**SML PHOENIX
RSM WITH
CHANNEL
SELECTOR**



**KLEIN VALOR
RSM**



**AINA VOICE
RESPONDER**

Warranty	2 Year	2 Year	3 Year	1 Year
Wired or Wireless	Wired	Wired	Wired	Wireless Bluetooth Low Energy, NFC
Sonim SecureAudio Connector	Yes	Yes	Yes	No
Ruggedized	IP-68 & Mil-810G	IP-68 & Mil-810G	IP-55	IP-67 & Mil-810G
Full Duplex	Yes	Yes	Yes	Yes
Audio Output	~105dB+	~105dB+	~105dB+	~100dB+
Clear Audio	Yes	Yes	Yes	Yes
Headset Port	Yes	Yes	Yes - 2	Yes
Volume Control	On RSM & handset	On RSM & handset	On handset	On RSM & handset
Battery Indicator	N/A	N/A	N/A	Yes
Multi-bay	N/A	N/A	N/A	Yes
In-vehicle Holder	Yes-optional	Yes - optional	Yes - optional	Yes - optional
Physical Buttons	2 PTT buttons, volume control, headset port	2 PTT buttons, channel selector, volume control, headset port	2 PTT buttons, 2 headset ports	2 PTT buttons, On/Off button, volume controls, 2 programmable keys, multifunction and emergency buttons

STONE MOUNTAIN PHOENIX REMOTE SPEAKER MICROPHONE

Stone Mountain Limited (SML) Phoenix Remote Speaker Microphone (RSM) was built for workers in demanding and harsh environments. It passes MIL-STD-810G for vibrations and shocks, and it meets IP-68, making it resistant to micro particles and it may be submerged in 1 meter of water for up to 30 minutes.

SML custom designed the Phoenix RSM to reliably connect to Sonim's SecureAudio Connector on the XP8 handsets. This allows the Phoenix RSM connector to screw into the handsets and draw power.

DID YOU KNOW?

SML Phoenix RSM may be custom ordered with a dedicated SOS button to trigger an emergency event. Sonim XP8 handsets have built-in SOS buttons, however SML provides the option to include the feature in the Phoenix RSM, as a custom add-on, for an additional fee.

FEATURES

- Push-to-Talk simplex and full-duplex Remote Speaker Microphone
- Two large and tactile PTT buttons
- RampClik™ Volume Control, single button 10 step ramp up/step down
- Meets MIL-STD-810G for resistance to vibration, shock, solar radiation, pressure and temperatures
- Features WhisperTek™ sub-audible Tx audio and OutLoud™ high Rx audio output speaker for enhanced Voice Intelligibility
- Ultra-sensitive, high gain omni-directional microphone for crystal clear transmit audio
- 50mm Neodymium speaker for unsurpassed audio clarity
- 100% gold plated PCB's for unsurpassed performance and reliability
- Built-in 360° rotating belt clip with positive detents every 45°
- Microphone Sensitivity -40 dBV (0dB=1V/Pa)
- Microphone Output Impedance 1kHz 2.2k ohm
- Microphone Signal / Noise Ratio 1kHz 55 dB
- Speaker Output Power 1w
- SPL Avg 101 +/-3 dB/116+ dB
- Speaker Impedance 8 +/- 15% Ohms @ 1000 Hz 1v
- Speaker Sensitivity -40 dBV (0dB=1V/Pa)
- Optional SureSeal™ for listen only headset and in-vehicle holder available
- 2 Year Limited Liability Warranty
- Operating Temperature -30°C - +60°C
- Phoenix Cable Length 6 ft extended



PART NUMBER: SON-XP8-SM-RSM

STONE MOUNTAIN PHOENIX REMOTE SPEAKER MICROPHONE WITH CHANNEL SELECTOR

Stone Mountain Limited (SML) Phoenix Remote Speaker Microphone (RSM) is the only RSM for PTT over cellular with a 10 channel selector and volume controls. It passes MIL-STD-810G for vibrations and shocks, and it meets IP-68, making it resistant to micro particles and it may be submerged in 1 meter of water for up to 30 minutes. SML custom designed the Phoenix RSM to reliably connect to Sonim's SecureAudio Connector on the XP8 handsets. This allows the Phoenix RSM connector to screw into the handsets and draw power.

DID YOU KNOW?

The SML Phoenix RSM features a headset port to connect a listen-only headset. A listen-only headset redirects the receive audio through the headset, while still transmitting audio through the RSM. This is necessary when in a situation where you don't want audio broadcasted from the RSM.

FEATURES

- Push-to-Talk simplex and full-duplex Remote Speaker Microphone
- Two large and tactile PTT buttons
- RampClik™ Volume Control, single button 10 step ramp up/step down
- Meets MIL-STD-810G for resistance to vibration, shock, solar radiation, pressure and temperatures
- Features WhisperTek™ sub-audible Tx audio and OutLoud™ high Rx audio output speaker for enhanced Voice Intelligibility
- Ultra-sensitive, high gain omni-directional microphone for crystal clear transmit audio
- 50mm Neodymium speaker for unsurpassed audio clarity
- 100% gold plated PCB's for unsurpassed performance and reliability
- Built-in 360° rotating belt clip with positive detents every 45°
- Microphone Sensitivity -40 dBV (0dB=1V/Pa)
- Microphone Output Impedance 1kHz 2.2k ohm
- Microphone Signal / Noise Ratio 1kHz 55 dB
- Speaker Output Power 1w -SPL Avg 101 +/-3 dB/116+ dB
- Speaker Impedance 8 +/- 15% Ohms @ 1000 Hz 1v
- Speaker Sensitivity -40 dBV (0dB=1V/Pa)
- Optional SureSeal™ for listen only headset and in-vehicleholder available
- 2 Year Limited Liability Warranty
- Operating Temperature -30°C - +60°C
- Phoenix Cable Length 6 ft extended



PART NUMBER: SON-XP8-SM-RSM-CS

KLEIN VALOR REMOTE SPEAKER MICROPHONE

The VALOR Remote Speaker Microphone (RSM) has a built-in amplifier for ultra-loud and clear audio, tested to deliver 115dB output.

Klein custom designed the VALOR RSM to reliably connect to Sonim's SecureAudio Connector on the XP5s and XP8 handsets. This allows the VALOR RSM connector to screw into the handsets and draw power. The VALOR RSM has a large front-facing and dual-thumb PTT buttons, compatible with heavy work gloves.

DID YOU KNOW?

The VALOR RSM has two locking earpiece ports for listen-only headsets. The optional listen-only earpiece redirects the receive audio, while still transmitting audio through the remote speaker microphone. This is necessary when in a situation where you don't want audio broadcasted from the RSM.

FEATURES

- Push-to-Talk simplex and full-duplex RSM
- Built-in amplifier for loud and clear audio
- Front facing and thumb PTT buttons offer multiple use options
- Rugged rubber overmold design, with contoured edges for comfortable grip
- Dual top and bottom locking audio ports provide multiple body placement options
- Optional listen-only headsets, eartips and in-vehicle holder available
- Knowles Omni-directional Microphone
- Microphone Sensitivity at 1kHz -45 to -39dB
- Microphone Output Impedance at 1kHz 300 Max Ω
- Microphone Signal / Noise Ratio at 1kHz 55-60+dB • Speaker Output Power NOM. 3W (Max 5W)
- Speaker Output Level (SPL) 115 DB max • Speaker Flux Density: Gauss
- Speaker Voice Coil 8 OHM +/- 15% / 4 OHM +/- 15%
- Speaker Resonant Frequency 550 +/-20% HZ @ 1V
- Speaker Impedance 4 Ω • Speaker Sensitivity 95 +/- 3dB
- Speaker Distortion Factor 15% Max
- Compatible with Sonim XP5s and XP8 handsets
- 3 Year Limited Liability Warranty
- Operating Temperature -40°C - +100°C



PART NUMBER: SON-XP8-VAL-RSM

AINA WIRELESS PTT VOICE RESPONDER

AINA's Push-to-Talk (PTT) Voice Responder was purpose built for critical communications with two large PTT buttons, dedicated SOS/Emergency and volume controls, two programmable keys, making it the perfect extension of features provided by Sonim phones and PTT applications. It passes MIL-STD-810G test methods for Vibrations, Shocks, and Temperature, and it meets IP-67, making it dust proof and submersible in water. AINA's innovative approach to Bluetooth pairing, provides multiple secure and simple auto-pairing options, making it easy to pair or differentiate devices in group settings.

DID YOU KNOW?

AINA Bluetooth RSM includes COVERT MODE to suppress audio and LED, allowing for microphone and headset use only.

FEATURES

- Push-to-Talk Bluetooth RSM with two large and tactile PTT buttons
- Dedicated multifunction button to answer/end full-duplex calls
- Emergency button plus two soft-programmable keys (channel scrolling)
- On/Off button, LED and Volume up/down controls
- Up to 24 hours battery life on a single charge

CONNECTIVITY

- Compatible with XP8 handsets
- Single pairing feature for increased security and simplicity
- Near Field Communication (NFC) single-touch pairing
- Easily recognizable unique Bluetooth name

AUDIO

- Loud and clear audio with 100+ dB output and 3.5mm audio headset jack
- Audio DSP for noise, wind and static reduction and echo cancellation

RUGGEDNESS

- Meets MIL-STD-810G for resistance to vibration, shock, pressure, salt fog, humidity, contamination by fluids and temperatures
- IP-67 for dust proof and water resistance
- Operating Temperature -30° - +60°C
- Designed and Assembled in Finland
- 1 Year Limited Liability Warranty
- Certifications CE, FCC & IC, AU&NZ, JP

PART NUMBER: AINA-BT-RSM



AINA VEHICLE CHARGER

The AINA Vehicle Charger is a charging cradle specially designed for AINA PTT Voice Responder users who are looking for a safe and simple way of using their Bluetooth speaker mic while driving.

DESIGN

Designed for the use in light, medium or heavy duty trucks and construction vehicles, the AINA Vehicle Charger provides a safe and user friendly location for the AINA Voice Responder.

- Simulates the same movement to take out and put back the mic that drivers are used to from old CB radio mics
- Keeps the Voice Responder stable even during heavy vibrations
- Lanyard provides additional safety to recover device when dropped

COMPATIBILITY

Compatible with all major mount manufacturers, the AINA Vehicle Charger can easily be installed alongside any tablet or mobile phone holder.

- Use integrated solutions provided by major mount manufacturers
- Use splitter bars to extend your existing tablet mount
- Install directly to the dash
- Use any standard AMPs hole pattern or male 1/4"-20 threaded steel stud
- Connected through a standard 5V male USB connector

SPECIFICATIONS

- External dimensions: 55x80x30mm
- Weight: 90g
- Charging cable end: USB-A male
- Charging cable length: 936mm
- Charging current: Min. 700mA / Max allowed. 2.8A / Voltage: 5V
- Operating temperature: -30 - 60°C

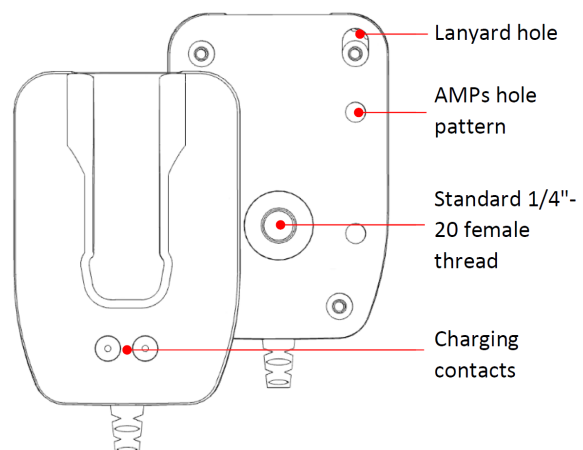
COMPATIBLE MOUNTING PLATES

- Any camera mount or plate with standard 1/4"-20 male stud: 6mm threads
 - Any mount or plate with standard AMPs hole pattern: 30x38mm (M4 fastener)
- Compatible with all major mount manufacturers, such as Arkon Mounts (www.arkon.com), RAM Mount (www.rammount.com) and GPS lockbox (www.gpslockbox.com)

PART NUMBER: AINA-BT-RSM-VC

DID YOU KNOW?

You can install a lanyard/cable to the charger's lanyard hole, which then connects to the device's clip loophole with a hook/carabiner. This offers additional security and easier removal and insertion of the PTT Voice Responder into the Vehicle Charger.



AINA WIRELESS PTT SMART BUTTON

AINA's Push-to-Talk (PTT) Bluetooth Smart Button remotely controls your smartphone's PTT and other application features. The PTT Smart Button was purpose built for critical communications, with two large PTT/Programmable buttons and dedicated SOS/Emergency control.

The simple pairing function and rugged design make it the most reliable PTT button in the industry. The second programmable key may be used as a secondary PTT button, for contact scrolling, repeating messages or discreet non-verbal tone communication.

DID YOU KNOW?

Attach the AINA PTT Smart Button to a steering wheel to control handsfree communication in-vehicle.

FEATURES

- Large and tactile PTT button
- One programmable button for secondary PTT, contact scrolling, repeating messages or non-verbal tone communication
- SOS/Emergency control to instantly contact emergency groups
- Included accelerometer for man-down functionality
- Glove touch and wet finger compatible
- Textured design for enhanced grip
- Allows for discreet communication

CONNECTIVITY

- Compatible with Sonim XP8 handsets
- Remote control for other Bluetooth and wired audio products
- Bluetooth 4.0 (BLE) technology
- Single pairing feature for increased security and simplicity
- Near Field Communication (NFC) touch pairing
- Easily recognizable unique Bluetooth name

RUGGEDNESS

- P-65 (upgrade to IP-67 ongoing)
- Easy to replace button cell battery (CR2032)
- Designed and Assembled in Finland
- 1 Year Limited Liability Warranty
- Operating Temperature -20 - +60°C
- Certifications CE, FCC & IC

PART NUMBER: AINA-SB



AINA DESKTOP CHARGER FOR AINA-BT-RSM

The AINA Desktop Cradle is a charging cradle specially designed for AINA PTT Voice Responder users who are looking for a simple and convenient way of managing the logistics around charging their Bluetooth speaker microphone.

DESIGN

Designed for use on desktops and counters, the AINA Desktop Cradle provides a convenient place to keep your Bluetooth Remote Speaker Mic charged while using it.

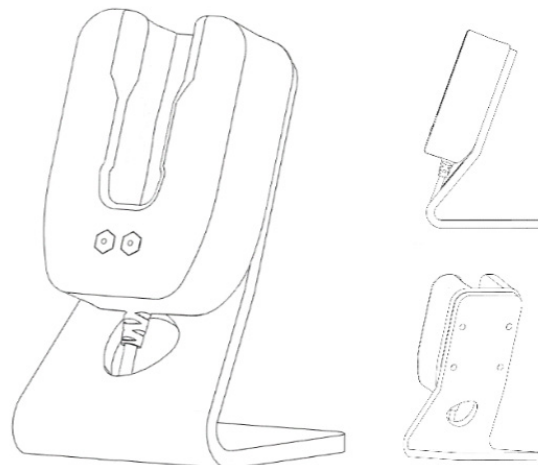
- Sturdy and robust design
- Optimal for use on desktops and service counter desks where several team members are sharing one communication device
- Keeps the workplace tidy and organized through efficient cable management
- Connects into any standard 5V phone USB charger

SPECIFICATIONS

- Model: ADC1
- External dimensions: 70x73x128mm
- Weight: 550g
- Charging cable end: USB-A male
- Charging cable length: 936mm
- Charging current: Min. 700mA / Max allowed. 2.8A / Voltage: 5V
- Operating temperature: -30 - 60°C

DID YOU KNOW?

The Desktop Cradle helps to keep the workspace organized by dedicating a proper place for docking which makes the workstation look more professional for customer facing roles. Staff members do not need to worry about charging anymore as the device is charging while being docked.



PART NUMBER: AINA-CH1

AINA 5-UNIT MULTI BAY CHARGER FOR AINA-BT-RSM

The AINA Desktop Charger is a five unit charging cradle specially designed for AINA PTT Voice Responder users who are looking for a simple and convenient way of managing the logistics around charging their Bluetooth speaker microphone.

DESIGN

Designed for the use of mass deployments of communication solutions, the AINA Desktop Charger provides a convenient way to manage charging and asset management in the workspace.

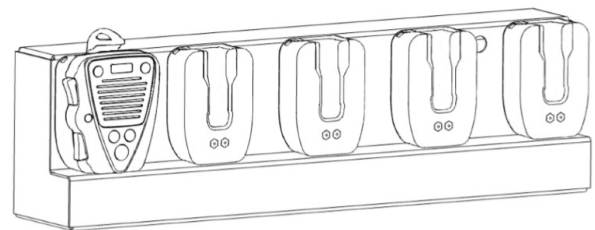
- Sturdy and robust design
- Optimal for use in factories, warehouses, break rooms and charging stations
- Mountable on desktops or on charging racks with a standard 17 3/4" (450.85mm) width
- Keeps the workplace tidy and organized through efficient cable management
- Provides a simple way to track assets

SPECIFICATIONS

- Model: ADC5
- External dimensions: 445x80x125mm
- Weight: 2.60kg
- Charging cable with EU, UK, US and AU plug available
- Charging cable length: 1500mm
- Charging voltage 5V and maximum current 1.6A per cradle
- Operating temperature: -30 - 60°C

DID YOU KNOW?

Through the charging contacts are on the back of the AINA Voice Responder, the micro-USB port is not used anymore which reduces device failure rates significantly



PART NUMBER: AINA-CH5

KLEIN CURL WIRED PTT HEADSET

The CURL Wired PTT Headset rests on the ear for comfortable, all-day use. The CURL headset may be worn on the right or left ear by simply rotating the earpiece. Klein custom designed the CURL headset to reliably connect to Sonim's SecureAudio Connector on the XP8 handsets. This allows the CURL headset connector to screw into the handsets. The CURL headset has a large, easy to access PTT button, compatible with heavy work gloves.

DID YOU KNOW?

The CURL headset is not inserted into the ear. The earhook comfortably wraps the ear, while the earpiece rests on the outer ear. Hygiene safe & great for shift workers - just wipe off to share.

FEATURES

- Push-to-Talk and full-duplex wired headset
- Flexible C-ring earloop may be worn on right or left ear
- Speaker rests on ear for comfortable, all day use
- In-line noise reduction microphone
- Easy to access and tactile PTT button
- Built-in swivel clothing clip to easily attach headset cable to uniform
- Omni-directional Microphone
- Microphone Sensitivity -36dB±3dB
- Microphone Impedance 2.2kΩ
- Microphone Frequency Range 50-10KHz
- Microphone Signal / Noise Ratio More than 58dB 1KHz
0dB=1V/Pa, A-Weight
- Microphone Current Consumption Max: 0. 5μA
RL=2.2KΩ Vs=3.0V(DC)
- Microphone Operation Voltage Range 1.0-10V
- Speaker Rated Power 500mW
- Speaker Max Input Power 800mW
- Speaker Impedance 16Ω±15%
- Speaker Frequency Range F0-20KHz
- Speaker Distortion Less than 2% at 2.0 kHz, 8.67vrms
- Speaker Sensitivity 105dB±5%
- Compatible with Sonim XP8 handsets
- 3 Year Limited Liability Warranty
- Operating Temperature -40°C - +80°C

PART NUMBER: SON-XP8-WH-1W



KLEIN COMFIT WIRED PTT HEADSET WITH BOOM MICROPHONE

The COMFIT Wired PTT Headset includes a noise canceling boom microphone that contours the face for comfortable, all day use. COMFIT provides loud and clear audio, with yell and whisper clarity.

Klein custom designed the COMFIT headset to reliably connect to Sonim's SecureAudio Connector on the XP8 handsets. This allows the COMFIT headset connector to screw into the handsets. The COMFIT headset has a large, easy to access PTT button, compatible with heavy work gloves.

DID YOU KNOW?

COMFIT boom patent pending design remains in place with zero "boom wag."

FEATURES

- Push-to-Talk and full-duplex wired headset
- Professional, flexible earpiece may be worn on right ear
- Noise reduction microphone
- Easy to access, large and tactile PTT button
- Built-in clip to easily attach headset cable to uniform
- Includes 3 sizes of COMFIT silicone eartips for a secure and comfortable fit
- Omni-directional Microphone
- Microphone Sensitivity $-47 \pm 3\text{dB RL-2.2K } \Omega$ Vs=3.0V (DC)
- Microphone Output Impedance Max.2.2K Ω 1kHz (RL-2.2K Ω)
- Microphone Frequency 50-16000Hz
- Microphone Signal / Noise Ratio >63 dB
- Microphone Current Consumption Max.0.5uA RL-2.2K Ω Vs=3.0V (DC)
- Microphone Operation Voltage Range 2.0V-10V (DC)
- Speaker Max Input Power 500mW
- Speaker Rated Power 300mW
- Speaker Impedance $32 \Omega \pm 15\%$ @ 1KHZ
- Resonance Freq (F0) 400HZ $\pm 20\%$
- Frequency Response F0~12000KHz
- Speaker Sensitivity $85 \pm 5\text{dB}$ @ 1KHZ
- Compatible with Sonim XP8 handsets
- 3 Year Limited Liability Warranty
- Operating Temperature $-40^{\circ}\text{C} - +80^{\circ}\text{C}$

PART NUMBER: SON-XP8-WHBM-1W



KLEIN PATRIOT PRO WIRED PTT HEADSET

The PATRIOT PRO Wired PTT Headset includes a replaceable audio tube and earpiece for comfortable, all day use. The PATRIOT PRO's 2-Wire design allows for the headset cords to be clipped over or under clothes or a uniform, while on the job.

Klein custom designed the PATRIOT PRO headset to reliably connect to Sonim's SecureAudio Connector on the XP8 handsets. This allows the PATRIOT headset connector to screw into the handsets. The PATRIOT PRO headset has a large, easy to access PTT button, compatible with heavy work gloves.

DID YOU KNOW?

Klein offers replacement surveillance acoustic tubes, semi-custom earmold and noise reducing eartips, and other in-ear pieces for hygiene and all day comfort.

FEATURES

- Push-to-Talk and full-duplex wired headset
- Professional 2-Wire surveillance earpiece with audio tube for comfortable, all day use
- Noise reduction microphone
- Front-facing dual PTT button switches for redundancy
- Clear quick-disconnect audio acoustic coil tube
- Built-in clip to easily attach headset cable to uniform
- Omni-directional Microphone
- Microphone Sensitivity -36dB±2dB
- Microphone Impedance Max.2.2K Ω 1kHz (RL-2.2K Ω)
- Microphone Signal / Noise Ratio +58dB @ 1kHz (0dB=1V/Pa)
- Microphone Current Consumption Max: 0. 5 μ A RL=2.2K Ω Vs=3.0V(DC)
- Microphone Max Sound Pressure Level 115dB S.P.L
- Speaker Sensitivity 108 @ 1kHz (dB SPL)
- Speaker Impedance 200 @ 500 Hz (Ohms)
- Speaker DC Resistance Impedance 92 (Ohms)
- Compatible with Sonim XP8 handsets
- 3 Year Limited Liability Warranty
- Operating Temperature -40°C - +80°C
- Klein PATRIOT PRO Length 78 inches, Weight 88g
- Top Cable Length from Splitter 26 inches

PART NUMBER: SON-XP8-WHAT-2W



GPSLOCKBOX PROFESSIONAL INSTALL VEHICLE KIT WITH OPTIONAL LOCKING CRADLE FOR XP8

GPS Lockbox Wired Professional Install Vehicle Kit allows you to stay safely connected, while keeping your eyes on the road and hands on the wheel! It is the optimal communication and charging in-vehicle solution, including locking capability for securing your XP8 handset in vehicle to prevent theft or tampering.

The GPS Lockbox Car Kit is compatible with a variety of mounts, providing adaptability and flexibility to support a broad range of enterprise needs. GPSLockbox Wired Car Kit is a highly reliable and affordable handsfree solution for safe and efficient communication in-vehicle.

DID YOU KNOW?

If you have an existing Sonim XP5 car kit, from GPSLockbox, simply purchase a replacement XP8 cradle and audio adapter. The replacement of these parts does not require professional installation.

FEATURES

- Vehicle Kit includes XP8 Optional Locking Cradle, 10W Amplifier and Speaker, Mounting Plate, 4" Pedestal Mount, Palm Microphone, 2.4 amp Charging Harness, Wiring Harness, Connector Cords and Install Pack required for installation
- Full-duplex communication for voice and PTT calls
- Noise cancelling palm mic PTT and audio via the hard wired Vehicle Kit
- Active charging cradle provides 5V/2.4amps of continuous power
- Optional locking capability (lock & key included) to secure the handset in vehicle
- Built-in On/Off switch and volume knob control
- Optional accessories available: variety of compatible mounting solutions from Arkon, Panavise or RAM; standard wall or car charging kit to eliminate the need for professional installation, foot & visor controls
- Input voltage range 12 VDC (Optional AC wall adapter available)
- Charging input DC 12V or 10.8V~36V
- Compatible with Sonim XP8
- 2 Year Limited Liability Warranty
- Operating Temperature -40°C - +85°C
- Certification: NAC



PART NUMBER: SON-XP8-GPSLB

ADVANCETEC PROFESSIONAL INSTALL VEHICLE KIT FOR XP8

AdvanceTec Pro-installed In-vehicle Communications Solution improves sound quality, productivity and driver safety. It is the perfect solution for the Push-to-Talk (PTT) enabled XP8 phone.

The car kit consists of the XP8s Non-locking Cradle, Cradle Mount, Junction Box, 10 Watt External Speaker, Power Cable, Visor Microphone, PTT Button and Palm Microphone for PTT call management. Traditional voice calls are managed via the separate small microphone and button control. AdvanceTec wired Vehicle Kit is a highly reliable solution for safe and efficient communication in-vehicle.

FEATURES

- Vehicle Kit includes: XP8 Non-locking Cradle and Flexible Mount, Integrated Speaker/Control Box, PTT Palm Microphone, and Small Microphone and Button/control for voice calls
- Half-duplex communication with PTT Palm Microphone
- Full-duplex communication with Small Microphone and Button/control
- Easy and efficient professional installation
- Active charging cradle provides 5V/2A of continuous power
- Input voltage range is 12/24V DC
- Charging input: DC: 10.8V~36V
- Optional accessories available: Foot Pedal, Gooseneck Mic
- Compatible with Sonim XP8
- 1 Year Limited Liability Warranty
- Operating Temperature -40°C - +85°C
- Certification

DID YOU KNOW?

If you have an existing Sonim XP5 or XP7 car kit, from AdvanceTec, simply purchase a replacement XP8 cradle and brain box from AdvanceTec.



PART NUMBER: SON-XP8-HFCK

PROFESSIONAL INSTALL VEHICLE KITS

COMPETITIVE COMPARISON



FEATURE	GPSLOCKBOX	ADVANCETEC
Warranty	2 year limited liability with advance replacement	1 year limited liability
Professional Installation Service	Yes	No
Vehicle Kit Components	Fixed or modular components: cradle, mount, speaker, palm mic, installation cables	Modular components: Cradle, mount, speaker, palm mic, small mic, button control, brain/junction box, installation cables
Ability to Lock the Handset into the Cradle	Yes, the standard cradle includes an optional locking capability	Yes, locking or non-locking cradles available
Temperature Control System	Yes, optional ATMOS heating & cooling system available	No
Power to Cradle	5V/2.4a	5V/2a
Speaker	10W	10W
Volume Knob	Yes	No
Full Duplex	Yes, with palm mic	Yes, with palm mic for PTT and small mic/button control for voice calls
Optional Accessories	Foot control & visor mic kit to replace palm mic; desk mic to replace palm mic, base & AC wall adapter to convert to desktop station; standard car charger with 2.4amp USB, 12V DC plug, and 3' DC cable to eliminate the need for professional installation; other mounts and posts, including cup holder.	Foot pedal, gooseneck mic
Transition Options	If transitioning from XP5 vehicle kit to XP8 vehicle kit, a new cradle, bracket & audio adapter is required.	If transitioning from XP5 or XP7 vehicle kit to XP5s or XP8 vehicle kit, a new cradle & brain/junction box is required.
Made in the USA	Assembled in the USA	Yes

PANAVISE IN-VEHICLE HOLDER AND MOUNT FOR XP8

Sonim in-vehicle holder and mount, by PanaVise, is made in the USA of tough metal alloy, designed to meet the ultra-rugged performance standards of the Sonim XP8. The ultra-reliable holder and mount is adjustable to multiple positions, and it includes built-in cable management for charging cables. This is an affordable, reliable and safe in-vehicle solution to support handsfree compliance.

DID YOU KNOW?

Combine the In-vehicle Holder, Wired RSM and Car Charger, for the optimal on-the-go solution. In-vehicle, insert the XP8 into the holder, connect the charging cable and use the RSM for calls. Remove the XP8 the holder, along with the RSM, for calls out of vehicle.

FEATURES

- Rugged metal in-vehicle holder and mount
- Flexible and ergonomic design, with adjustable 6" pedestal mount
- Integrated cable management to easily secure charging cables
- Optional suction and other mounting posts available from PanaVise
- Compatible with Sonim XP8 handset
- 1 Year Limited Liability Warranty
- Operating Temperature -20C to 65C



PART NUMBER: SON-XP8-CR

PANAVISE IN-VEHICLE HOLDER AND MOUNT WITH OPTIONAL LOCKING FOR XP8

Sonim in-vehicle holder and mount, by PanaVise, is made in the USA of tough metal alloy, designed to meet the ultra-rugged performance standards of the Sonim XP8. The ultra-reliable holder and mount is adjustable to multiple positions, and it includes cable management for charging cables.

This innovative holder has a built-in latch that allows for the handset to be locked into place with a Master Lock® lock and key. This is an affordable, reliable and safe in-vehicle solution that supports handsfree compliance.

DID YOU KNOW?

Combine the In-vehicle Holder, Wired RSM and Car Charger, for the optimal on-the-go solution. In-vehicle, insert the XP8 into the holder, connect the charging cable and use the RSM for calls. Remove the XP8 the holder, along with the RSM, for calls out of vehicle.

FEATURES

- Rugged metal in-vehicle holder and mount
- Cradle locking capability (lock and key) included
- Flexible and ergonomic design, with adjustable 6" pedestal mount
- Integrated cable management to easily secure charging cables
- Optional suction and other mounting posts available from PanaVise
- Compatible with Sonim XP8 handset
- 1 Year Limited Liability Warranty
- Operating Temperature -20C to 65C



PART NUMBER: SON-XP8-CL-R

ADVANCETEC DESKTOP CHARGER FOR XP8

AdvanceTec Single-bay Charger provides 2 amps of power, allowing you to conveniently and efficiently charge your XP8 handset at your work station. Eliminate the need for charging cables with the drop-in charger and handset organizer. Sonim certified chargers are designed to optimize the battery life, enabling you to get the most from your handset.

The combination of Sonim's powerful handset and AdvanceTec drop-in charger ensures your device is connected and accessible 24 hours a day, 7 days a week.

DID YOU KNOW?

AdvanceTec Industries also manufacture 6 and 12 bat chargers for the Sonim XP8

FEATURES

- Sleek, compact, but heavy-duty design
- Easily insert and remove handset
- Charge status LED's for easy monitoring and power management
- Charging Input: 110VAC-240VAC
- Charging Output: 5V/2A at each cup
- Charges phone in < 4 hours
- 1 Year Limited Liability Warranty
- Operating Temperature 0°C - +45°C
- Certification for Power Supply: UL STD 60950-1, ETL + CSA, Efficiency Level IV



PART NUMBER: SON-XP8-CH1

ADVANCETEC 6-UNIT MULTI BAY FOR XP8

AdvanceTec 6-unit Multi-bay Charger provides 2 amps of simultaneous power to each device, allowing you to conveniently and efficiently charge 6 XP8 phones at the same time. Eliminate the need for charging cables with the drop-in multi-bay charger and handset organizer.

Sonim certified chargers are designed to optimize the battery life, enabling you to get the most from your handsets. The combination of Sonim's powerful handsets and AdvanceTec multi- charger ensures your device is connected and accessible 24 hours a day, 7 days a week.

DID YOU KNOW?

If you have an existing Sonim XP5 or XP7 6-units multi-bay, from AdvanceTec, simply purchase replacement XP8 multi-bay cups from AdvanceTec.

FEATURES

- Sleek Design, with charge status LED's for easy monitoring and power management
- Compact and table mountable charging station
- Charging Input: 110VAC-240VAC
- Charging Output: 5V/2A at each cup
- Charges phone in < 4 hours
- Charges 6 phones simultaneously
- 1 Year Limited Liability Warranty
- Operating Temperature 0°C - +45°C
- Certification CE



PART NUMBER: SON-XP8-CH6

ADVANCETEC 12-UNITS BATTERY ONLY MULTI-BAY CHARGER FOR XP8

Sonim's XP8 was built for multi-shift operations, with 4900mAh of swappable battery life. AdvanceTec 12-units Battery Only Multi-bay Charger provides 1.2amps of power, allowing you to conveniently and efficiently charge your XP8 batteries. The multi-bay charger ensures you always have batteries fully charged, and ready to swap out, as needed.

Sonim certified chargers are designed to optimize the battery life, enabling you to get the most from your handset. The combination of Sonim's powerful handset and AdvanceTec drop-in battery charger ensures your device is connected and accessible 24 hours a day, 7 days a week.

DID YOU KNOW?

AdvanceTec 12-unit battery only multi-bay charger is for XP8 batteries only. It doesn't not charge the XP8 phone.

FEATURES

- Sleek, compact, but heavy-duty design
- Charge status LED's for easy monitoring and power management
- Charging Input: 12v/85w
- Charging Output: 5V/1.2A at each cup
- Charges phone in < 4 hours
- Charges 12 XP8 batteries simultaneously
- 1 Year Limited Liability Warranty
- Operating Temperature 0°C - +45°C
- Certification CE and Safety STD 60950-1



PART NUMBER: SON-XP8-CH12

SONIM WALL CHARGER ADAPTER WITH EXTENDED LENGTH CABLE

Sonim's Wall Charger with Extended Length Cable is enabled with Qualcomm® Quick Charge™ to rapidly charge the massive 4900mAh battery in the XP8 handset in less than 2.5 hours. The extended length cable allows you to conveniently and efficiently charge your handset throughout your work environment. The combination of Sonim's wall charger adapter and 5ft cable provides the optimal, regulated power to your compatible handset.

DID YOU KNOW?

USB-C is significantly more powerful than predecessors, and it may be inserted into the handset in either orientation, making it the most user-friendly USB connector in the market.

FEATURES

- Single USB wall charger adapter with extended length cable
- Qualcomm® Quick Charge™ 2.0 USB port output 12V 1.1A, 9V 1.5A, 5V 1.5A
- USB-A 2.0 5ft (1.5m) data and charge cable with USB-C connector
- Fully charge XP8 phone in less than 2.5 hours
- 1 Year Limited Liability Warranty
- Certifications CE, CB, International Safety Certification, UL, FCC, IC, EMC, NRCAN, DOE, ERP, CCC
- Operating Temperature -5°C - +45°C



PART NUMBER: SON-XP8-CH-USBW

SONIM DUAL USB CAR CHARGER ADAPTER WITH EXTENDED LENGTH CABLE

Sonim's Car Charger with Extended Length Cable is enabled with Qualcomm® Quick Charge™ to rapidly charge the massive 4900mAh battery in the XP8 handset in less than 2.5 hours. The compact design includes two USB ports to efficiently charge multiple devices while on-the-go.

The extended length cable allows you to safely charge your handset in small and large vehicles. The combination of Sonim's car charger adapter and 5ft (1.5m) cable provides the optimal, regulated power to your compatible handset.

DID YOU KNOW?

Qualcomm® Quick Charge 3.0 technology allows you to recharge your Sonim handset four times faster than with conventional chargers.

FEATURES

- Dual USB car charger with extended length cable
- Qualcomm® Quick Charge™ 3.0 USB port output 5V 3A, 9V 2A, 12V 1.5A
- Second USB port output 5V 2.4A max
- USB-A 2.0 5ft (1.5m) data and charge cable with USB-C connector
- Fully charge XP8 phone in less than 2.5 hours
- Compatible with most 12/24V DC outlets
- 1 Year Limited Liability Warranty
- Certifications QC3.0, FCC, CE, RoHS, REACH
- Operating Temperature -5°C ~ +40°C



PART NUMBER: SON-XP8-CH-USBV

SONIM USB-C DATA & CHARGE CABLE

Sonim's extended length cable allows you to conveniently and efficiently charge your handset throughout your work environment. This industrial-grade data and charge cable was designed to provide the ideal length to reach from a power outlet to a desk, or safely charge while on-the-go in a large truck. When combined with the Sonim Wall or Car Charger Adapters, it provides the optimal, regulated power to your compatible devices.

DID YOU KNOW?

The Sonim SecureConnect USB-C is compatible with USB-C accessories with the ability to create custom accessories that screw into the handset for an ultra-reliable connection

FEATURES

- Extended length data and charge cable
- USB-A 2.0 5ft (1.5m) data and charge cable with USB-C connector
- Compatible with Sonim Wall and Dual USB Car Charger adapters with Qualcomm® Quick Charge™
- 1 Year Limited Liability Warranty
- Certifications FCC, RoHS, REACH
- Operating Temperature 0°C ~ 50°C



PART NUMBER: SON-XP8-CH-USB

SONIM HOLSTER WITH SWIVEL CLIP FOR XP8

Sonim's industrial holster was custom designed to support the entire handset while front-facing into the holster. The rugged holster securely holds the XP8 handset, which may be easily released via the quick-release latch. The innovative belt-clip rotates 270° and supports belts, straps and latches up to 1.5" wide.

DID YOU KNOW?

The Sonim XP8 holster may be reliably and comfortably worn in vertical or horizontal position, providing additional flexibility.

FEATURES

- Durable, reliable and lightweight, built to withstand everyday use in high activity environments
- Custom designed with openings for quick access to key control features
- Supports device front facing into the holster
- Quick release of the phone
- Flexible yet strong polycarbonate construction
- 270° rotating swivel clip with built-in stand
- Belt clip supports belts up to 1.5"
- 1 Year Limited Liability Warranty



PART NUMBER: SON-XP8-H

SONIM LEATHER POUCH WITH METAL CLIP FOR XP8

Sonim's leather pouch is made in the USA, using premium leather and a patented, riveted d-ring for an ultra-reliable hold. The durable leather pouch was custom designed to support the entire handset back-facing into the pouch, and to provide access to all handset controls and features. The innovative d-ring attaches to the included metal belt clip, or optional belt loop attachments. There is a built-in elastic strap that may be used as a pen or stylus holder, or lanyard or tether loop.

DID YOU KNOW?

Tether a stylus to the XP8 handset lanyard loop to ensure your stylus is always ready when you are.

FEATURES

- Ergonomic design
- Premium leather bonded with polymers for dirt resistance and durability
- Easy access to phone ports and buttons
- Magnetic flap for quick release and closure
- Built-in elastic pen holder or tether loop
- Rotating and removable metal belt clip
- Belt clip supports belts up to 1.75"
- 1 Year Limited Liability Warranty



PART NUMBER: SON-XP8-LCC

SONIM LEATHER FITTED CASE WITH METAL CLIP FOR XP8

Sonim's leather fitted case is made in the USA, using premium leather and a patented, riveted d-ring for an ultra-reliable hold. The durable leather case was custom designed to securely wrap around the entire handset, while providing access to all controls and features. This allows for the XP8 to be used while the leather case is on. The innovative d-ring attaches to the included metal belt clip, or optional belt loop attachments.

DID YOU KNOW?

The leather straps on the fitted case may be used as a lanyard or tether loop.

FEATURES

- Ergonomic design allows for handset use when case is on
- Premium leather bonded with polymers for dirt resistance and durability
- Easy access to phone ports and buttons
- Snap closure for secure fit
- Rotating and removable metal belt clip
- Belt clip supports belts up to 1.75"
- 1 Year Limited Liability Warranty



PART NUMBER: SON-XP8-FCC

