



sonim®

XP Pro Thermal

The new vision of productivity

THERMAL BY  FLIR

Cutting-edge thermal technology meets a legacy of ruggedness.

The Sonim XP Pro Thermal gives you an edge in any environment. Integrated FLIR thermal imaging technology reveals heat loss, water intrusion, and movement in total darkness—helping you detect problems before they escalate.

Built to outlast, it meets Sonim's Rugged Performance Standards, resisting water, drops, and dust with ease. Dual loudspeakers with noise and echo cancellation ensure clear communication, no matter the conditions.

And it's just as nimble as it is tough. Large, programmable PTT, SOS and thermal capture buttons put customized functionality at the tip of your finger. With the XP Pro Thermal, you don't just work—you work smarter, faster, and with greater confidence.

Features

See more, do more

Two powerful cameras, including the FLIR Lepton® 3.5 with cutting-edge thermal imaging and a 50-megapixel camera, expanding your view beyond the visible. Paired with the advanced Sonim Iris app, which includes MyFLIR Pro, it helps you detect heat sources, identify potential issues, and tackle challenges head-on.

Beyond tough

XP Pro Thermal not only meets industry durability standards, it surpasses them by achieving Sonim's proprietary Rugged Performance Standards making it able to excel in even the most challenging environments.

Work on your terms

Large, programmable PTT, SOS and thermal capture buttons allow for customized functionality right at workers' fingertips.

Power on and on

Your team stays productive all day with thanks to its long-lasting 5,000 mAh battery equipped with USB-C fast and wireless charging.

Communicate like a pro

100+dB loud speakers with echo and noise

**Designed with
the latest tech.
Ready for every
challenge.**

Sonim XP Pro Thermal technical specifications



Core Platform/Functions

Operating System	Android 14, Google AER certified
Chipset	Qualcomm SM7550 (Snapdragon 7 Gen 3)
Bands	5G: n1, n2, n3, n5, n7, n8, n20, n25, n26, n28, n38, n40, n41, n48, n66, n70, n71, n75, n77, n78 LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B20, B25, B26, B28, B29, B30, B32, B38, B39, B40, B41, B42, B43, B48, B66, B68, B71 UMTS: I, II, IV, V, VIII
Wi-Fi	802.11 a/b/g/n/ac/ax 2.4GHz, 5GHz, 6GHz, 2x2 MIMO Hotspot capable up to 10 connections
Memory	8GB DDR4x 256GB UFS (ROM) Micro SD up to 2TB
Preloaded Applications	Sonim IRIS™, SonimWare™

Connectivity

Bluetooth	BT5.3 BLE
Messaging	SMS, MMS (Text, Image, Audio, Video)
GPS	GPS L1 & L5/a-GPS; Galileo
NFC	Yes
Sensors	Accelerometer, Ambient Light, Barometer, Facial Recognition, Fingerprint, Gyroscope, Magnetometer, Proximity
Languages Supported	Standard Android languages
VoLTE	Yes

Battery

Capacity	5000mAh
Battery Life	Talk: 27 Hours; Standby: 437 Hours

Display

Size/Type	6.58" Gorilla® Glass Victus® II
Resolution	2408x1080
Colors	16.7M

Physical Characteristics

Size	171.5 x 80 x 11.5mm
Weight	267g
Dedicated Keys	2x Programmable Action Keys, Volume Keys
Ports	USB-C; SecureAudio® Gen 2 with mechanical retention
SIM Type	Dual 4FF pSIM; DS2S
Rugged Certifications*	IP68, IPX9K, MIL-STD-810H
Regulatory Approvals	FCC
Industry Approvals	PTCRB

Audio

Microphone	Dual mic solution with noise and echo cancellation
Speaker	Dual loud speakers; output 100dB+
HAC	ANSI 2019

Multimedia

Audio Formats	AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3
Video Formats	HEVC/H.265, H.264, H.263, MPEG-4, VP8, VP9
Graphic	JPG, PNG, BMP, GIF, WebP, HEIF
Media Player	Yes, Youtube, YT Music
Camera	Thermal: 50MP (Main)+ Thermal (FLIR Lepton 3.5), LED flash Front: 16MP, Flash using screen

In-box Items

XP Pro Thermal, SIM Card, SIM Tool, USB Type-C Cable, Wall Charger, Quick Start Guide

