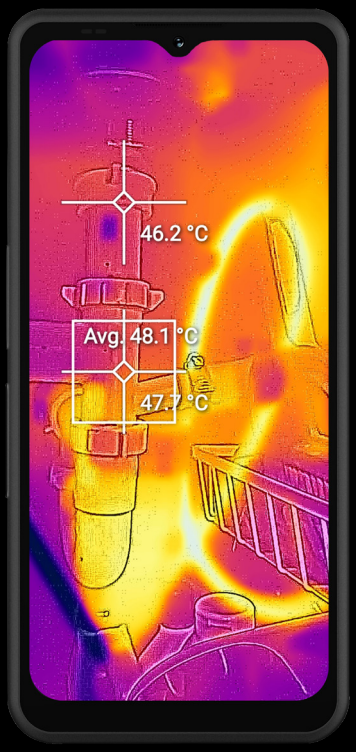

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XP Pro Thermal

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.

Despite its extreme durability, the sleek and slim design makes it just as practical for personal use as it is for the job site. 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.

Built on trust

Developed by a US-based OEM, and carrier-adoption ready, the XP Pro Thermal is born out of 15+ years of experience of delivering mission-critical communication solutions.

Form in the name of function

Its slim, sleek form factor seamlessly blends rugged performance and everyday convenience, making it ideal for work and personal use.

Communicate like a pro

100+dB loud speakers with echo and noise cancellation keep users connected with clarity.

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Data Sheet

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, n14, n20, n25, n26, n28, n30, 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 **2G:** 850/900/1800/1900 Mhz
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; Glonass, Galileo, BDS
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
Wireless Charging	Yes
Charging	USB C, Fast Charge (18W); wireless charging, dual charging pins

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; DSDS
Rugged Certifications*	IP68, IPX9K, MIL-STD-810H CSA non-incendive Class 1, 2, 3, Division 2 certification* *N.America model only
Regulatory Approvals	CE, UKCA
Industry Approvals	GCF, RoHS, WEEE
Operating Temperature	-20° C ~ +55°C

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 Lepron 3.5), LED flash **Front:** 16MP, Flash using screen
LED Flashlight	Yes

In-box Items

XP Pro Thermal, SIM Tool, USB C Cable, Quick Start Guide

Android Enterprise Recommended

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