QUALCOMM® SNAPDRAGON SENSE™ ID
3D FINGERPRINT TECHNOLOGY

The power of ultrasonic sound waves is advancing mobile fingerprint authentication.

Security & Privacy

Ultrasonics support verification of a highly detailed 3D fingerprint map and liveness detection, which make spoofing difficult at best.

Accuracy & Consistency

Highly detailed, consistent image quality, even through contaminants, like lotion, oil, sweat and sunblock.

Extensibility & Flexibility

Integrated into the Qualcomm Haven™ authentication framework, which supports secure biometric authentication for a variety of online and off-line formats.

Convenience

A password-free experience offers ease of authentication, even on device wake-up.

Elegant Design

Ultrasonics penetrate through thicker glass (up to 400 µm) and metal (up to 400 µm), increasing design options and allowing convenient wake-up authentication.

BASED ON QUALCOMM® SECUREMSM™ TECHNOLOGY

Hardware-based foundation helps ensure that biometric information and user data are protected. Biometric data never leaves the device.

COMPREHENSIVE AUTHENTICATION

The Snapdragon Sense ID platform incorporates algorithms managed by the SecureMSM foundation, the Qualcomm Biometric Integrated Circuit and custom sensor technology, as well as an authentication framework enabling support for multiple protocols, such as FIDO (Fast IDentity Online), AliPay, and WeChat Pay SOTER (Standard Of authentication with fingERprint).

Find out more about Qualcomm® Snapdragon Sense™ ID 3D fingerprint technology at snapdragon.com/security

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