

Qualcomm® Fingerprint Scanner



Mobile Fingerprint Scanner: 4-Finger

Features

- Fully integrated biometric scanner system with quad-core 2.5GHz Snapdragon processor
- Highly detailed, consistent image quality using patented solid-state TFT ultrasonic image capture technology
- Ability to read through common contaminants
- Built-in diagnostics ensure the highest image quality and auto-calibration
- Hard coat platen surface resists scratches and abrasion
- Image quality unaffected by environmental conditions (temperature, humidity, ambient light, etc.)
- Onboard battery
- Local matching of fingerprints to a watch list
- Appendix F Certified FAP60

Specifications*

Overview:

Mobile Scanner Size	6.8" x 4.4" x 1.8"
Fingerprint Image Capture Area	3.2" x 3"
Fingerprint Image Capture Format	8-bit grayscale
Fingerprint Capture Mode	Flat (4/2/1 fingers) and Rolled
Scan Resolution	500 dpi
Weight	2.3 lbs.
Interfaces	USB, Wi-Fi, Bluetooth, and Ethernet
Video Projection Support	HDMI
Storage	Onboard Memory and External SD Card Support
Operating System	Android
Biometric Modalities Captured	Fingerprint, Facial and Iris

Operating Environment:

Humidity	10%-90% (non-condensing)
Operating Temperature	-20°C to 45°C
Storage Temperature	-30°C to 70°C

* Specifications reflect anticipated performance. Actual performance may vary.

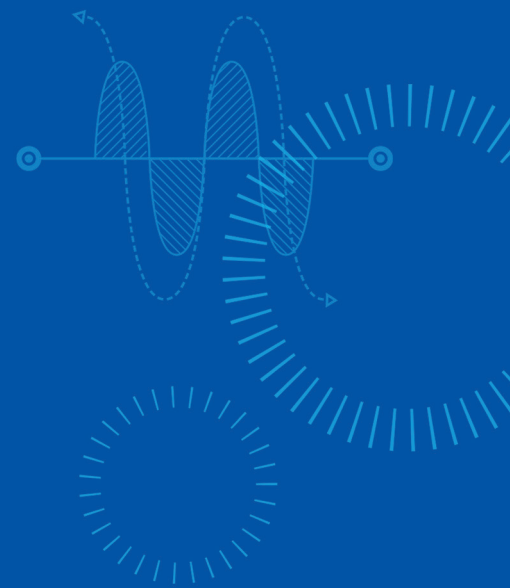
A complete packaged system includes:

- Mobile fingerprint biometric scanner hardware
- Power supply
- USB interface driver
- HDMI cable

Qualcomm Fingerprint Scanner is a product of Qualcomm Technologies, Inc.

QCSS.QFS@qti.qualcomm.com

Qualcomm® Fingerprint Scanner
Model M6001



Who is Qualcomm and what do we do?

Inventors. Dreamers. Doers.

We are engineers, scientists and business strategists. We are from many different countries and speak many different languages. We come from diverse cultures and have unique perspectives. Together, we focus on mobile technology breakthroughs and bringing them to market.

- 30+ years of driving the evolution of wireless communications
- Extensive domestic and foreign patent portfolio
- World's largest fabless semiconductor company
- S&P 100 / S&P 500 / Fortune 500

Advancing the Ecosystem

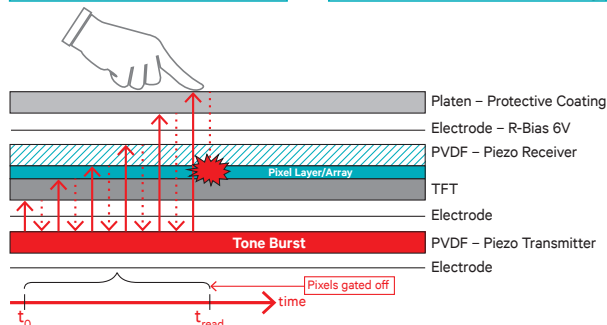
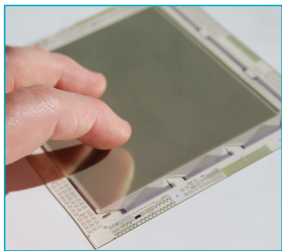
Our innovations have made us a mobile technology leader.



Who is Ultra-Scan?

In March of 2013, Qualcomm acquired biometric industry veteran Ultra-Scan Corporation. Founded in 1989, Ultra-Scan pioneered the use of high-frequency ultrasound technology as a superior method for capturing livenesscan fingerprint imagery. Ultra-Scan's scientific staff developed the first nonoptical 4-finger sensor ever to receive FBI Appendix F certification.

Ultrasonic Thin Film Transistor (TFT)



For further information please contact:
QCSS.QFS@qti.qualcomm.com

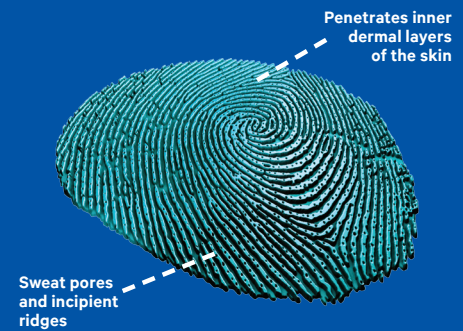
Image Quality: 3D Details

Qualcomm Fingerprint Scanner (QFS) uses ultrasonic waves to directly penetrate the outer layers of skin, detecting three-dimensional details and unique fingerprint characteristics, including fingerprint ridges and sweat pores, that are not possible to detect with capacitive touch-based and optical options.

Accuracy and Consistency

The QFS ultrasonic sensor provides highly detailed, consistent scan quality, even through common contaminants like sweat, condensation, lotion, oil and more.

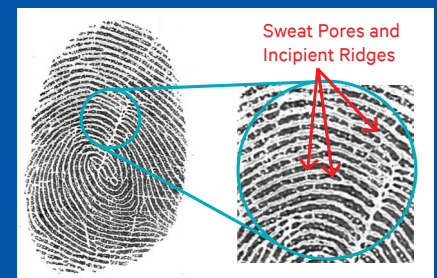
3D Ultrasonic Imaging



Superior Anti-spoofing

QFS generates a highly detailed surface map of the fingerprint that is much more difficult to imitate or spoof than capacitive touch-based and optical solutions.

Unsurpassed Image Quality and Near-perfect Capture Rate



Breaking through the boundaries of what's possible in mobile technologies.