Display fingerprint technology combines or integrates fingerprint modules with the display to offer invisible and front-side fingerprint sensing on full-screen displays to increase add-on value.

The annual Display Fingerprint Technology and Market Report provides a comprehensive analysis of emerging fingerprint (FoD) solutions including technology development, supply chain status, market competition, cost models, historical shipment surveys and market forecasts.

Within the 140-page report, there are many technical illustrations to provide a complete understanding and tracking analysis on the key areas such as CIS-based and ultrasonic solutions, TFT-based display fingerprint solutions including existing add-on (under-display or under-cell) and emerging embedded types (in-cell FoD inside the display).

In addition to the key technology insights, this report provides comprehensive supply chain information and a detailed market forecast including technical parameters in pivot tables to describe both market and technology trends.
Report Coverage

KEY ISSUES ADDRESSED
- Optical imaging CIS solution update including lens and microlens types
- Ultrasonic TFT solution update
- Optical imaging TFT solution update
- Embedded FoD solution development
- Supply chain information including makers and manufacturing process
- BOM-level module cost modeling
- Model-level fingerprint adoption
- Quantitative market analysis and description with the comprehensive pivot-based forecast.

COVERAGE

Frequency, Time Period
Annual update

Measures
FoD shipment, revenue and ASP by:
- Technology (optical imaging, ultrasound, etc.)
- Sensor structures for technology
- Sensor circuitry (CIS, TFT)
- Sensor location
- Display applied: OLED
- Sensing area
- Application: Mobile phone, tablet PC

Capacitive fingerprint module shipment estimations
- Application: Mobile phone, tablet PC, notebook PC

Fingerprint module cost models by:
- BOM with detailed parts (sensor, parts, algorithm, controller, FPCB, etc.)

Products Covered
- Mobile phone
- Tablet PC
- Notebook PC

End User Markets
- Consumer
- Enterprise
- Industrial
- Public Safety
- Healthcare
- Sports
- Others

Geographies
- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

APPLICABLE TO
- Fingerprint IC makers
- Panel makers
- IT/CE brands, OEMs, ODMs
- Module assembly makers
- Related material makers
- Semiconductor wafer and package
- Product marketing or strategic planning managers
- Marketing intelligence managers
- R & D managers
- Procurement managers
- The investment community

*The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.
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