



FOR IMMEDIATE RELEASE:

Biometrics: the smartphone wave is reshuffling the cards...

Sensors for Biometry and Recognition 2016 report – Yole Développement – November 2016

LYON, France – December 12, 2016: The evolution of the smartphone industry since ten years offers to biometric technologies a huge opportunity to install sensors on each human. Today biometrics technologies are rapidly integrated and evolve quickly.

[Yole Développement \(Yole\)](#), the “More than Moore” market research and strategy consulting company confirms, consumer sector, especially smartphone applications are driving the biometrics development: consumer applications are today representing 66% of the total hardware biometric market, against only 2% in 2010. 2021 is showing the same trend with 10% CAGR¹ from 2016 to 2021.

[Sensors for Biometry & Recognition 2016 report](#) is the 1st edition dedicated to the physiological biometrics sensors used for biometrics and recognition applications and published by Yole’s MEMS & Sensors team. This analysis combines the most valuable Yole’s knowledge related to biometric technologies and markets, including eye, face, finger, hand, voice and more.

The biometry & recognition report proposes detailed market figures for each market segment: both traditional industries, industrial and homeland/security as well as consumer, the newborn sector. Market metrics are also provided for each sensor: each application has been evaluated according to the performance and related market size.

Undoubtedly biometrics will be so the “place to be” during the next five year. Yole has been tracking closely the latest technical innovations and business opportunities in this field for a while. Its analysts offers you today an overview of the biometric hardware market.

Consumer products are showing the highest adoption rate ever and are the most widespread biometric devices. And this growth is not over. Indeed, according to Yole, biometric solutions’ growth will be supported by a 6.4% CAGR of smartphones units between 2015 and 2021². Indeed market figures are impressive: 525 million units of fingerprints sensors were sold in 2015. “At Yole we expect a huge

¹ CAGR: Compound Annual Growth Rate

² Source : [Sensors for Cellphones and Tablets 2016 report](#), Yole Développement, June 2016

“Current performances are not sufficient to perform a good recognition of the owner but future sensors, especially with high SNR³, beam-forming and always-on behavior will drive the market in a near future”, explains Guillaume Girardin.

In the future, Yole also identified potential emerging applications within the building or automotive sector to detect people or pilot ID and status thanks to flexible fingerprint sensors that could be wrap around the doorknob or the steering wheel. Globally, Yole see a diversification of the biometric solutions and business opportunities, either with fingerprint, face, iris and voice recognition techniques.

Biometric companies will clearly take benefits of these impressive business opportunities to develop their activities. Regarding the homeland and security market, China, Africa, India and South America are the new goldmines of the biometric players, while consumer and industrial markets are still the favorite markets to sell large volumes of devices...

A detailed description of the Biometrics & Recognition report as well as the other MEMS & Sensors reports Yole is available on [i-
micronews.com](http://micronews.com), [MEMS reports section](#).

³ SNR: Signal-to-Noise Ratio



For more information about this report, please contact:

[David Jourdan](mailto:David.Jourdan@yole.fr)

Phone: +33 472 83 01 90

About [Sensors for Biometry and Recognition 2016](#) report:

- Author:

Guillaume Girardin works as a Market & Technology Analyst for MEMS devices and technologies at Yole Développement, the «More than Moore» market research and strategy consulting company. Guillaume holds a Ph.D. in Physics and Nanotechnology from Claude Bernard University Lyon I and a M.Sc. in Technology and Innovation Management from EM Lyon School of Business.

- Companies cited in the report:

360 Biometrics, 3M (Cogent), Abacus Infotech, Anviz Biometric, Apple, Aware, BioEnable, BioID, Bio-Key, Biomatiques, CMI Tech, Cognitec, CrossMatch, CrucialTec, DeltaID, Dermalog, Egistec, EyeLock, EyeVerify, Fingerprints Card, FotoNation, Fujitsu Frontech, Futronic, Goodix, GreenBit, HID Global, ID3, IDEX, InvenSense, IrisGuard, IrisID, Iritech, Kona C, Knuverse, Lumidigm, m2sys, NEC, NextBiometrics, Nuance, Precise Biometrics AB, Princeton Identity (SRI Identity), Qualcomm, Safran Morpho, Secugen, Sestek, Sonavation, Suprema, Synaptics Validity, Vkansee, Xinguodu Technology, ZKTEco and many more...

About Yole Développement – www.yole.fr

Founded in 1998, Yole Développement has grown to become a group of companies providing marketing, technology and strategy consulting, media and corporate finance services. With a strong focus on emerging applications using silicon and/or micro manufacturing, the Yole Développement group has expanded to include more than 50 collaborators worldwide covering MEMS, Compound Semiconductors, LED, Displays, Image Sensors, Optoelectronics, Microfluidics & Medical, Advanced Packaging, Manufacturing, Nanomaterials, Power Electronics and Batteries & Energy Management.

The “More than Moore” company Yole, along with its partners System Plus Consulting, Blumorpho and KnowMade, support industrial companies, investors and R&D organizations worldwide to help them understand markets and follow technology trends to grow their business.

- Consulting & Financial Services: Jean-Christophe Eloy (eloy@yole.fr)
- Reports: David Jourdan (jourdan@yole.fr)
- Press Relations & Corporate Communication: Sandrine Leroy (leroy@yole.fr)

####