Synaptics at a Glance

Highlights

• **Execution:** Delivering next generation products and strong design win momentum

• **Corporate Transformation & Investment Areas:** Reshaping portfolio towards differentiated products and technologies for long-term higher profitability and growth:
  - Edge computing SoCs with AI for smart home consumer IoT
  - OLED touch ICs and display ICs for mobile devices
  - Audio SoCs for wired and wireless headsets
  - High-speed wired connectivity for PCs, peripherals and VR
  - Automotive TDDI for touchscreens

### Products Enabled by Synaptics

![Products](image)

### About the Company

- **Established:** 1986
- **Listed:** Nasdaq: SYNA (IPO 2002)
- **Revenue FY19:** $1.47B
- **Global Footprint:** 20+ Locations Worldwide
  - 1700+ Employees (over 70% Engineering)
- **Patents:** 1800+

**FY19 Revenue**

- IoT: 26%
- PC: 20%
- Mobile: 54%
Synaptics History of Innovation

1986 Founded to research neural networks

1992 Develops world’s first PC touchpad

2002 SYNA IPO, begins trading on NASDAQ

2007 Touch IC enables world’s first capacitive-touchscreen on mobile phone

2012 Acquires Video Interface portfolio from IDT

2013 Enters fingerprint biometrics market with acquisition of Validity

2014 Acquires Renesas RSP, accelerating development of TDDI & display drivers

2015 Expands into automotive market with TDDI, touch and display ICs

2017 Jumpstarts entry in Consumer IoT with acquisitions of Conexant and Marvell Multimedia BU

Today Leverage IP for emerging Computer Vision and AI at the Edge
Market Share Leadership

- Far-Field Voice; Wake Word
- Digital Audio Headset SoCs
- Edge Computing SoCs with AI
- Smartphone OLED Touch IC & Display Driver IC
- Smartphone LCD Touch IC, & Display Driver IC
- Automotive TDDI & Fingerprint Sensors
- PC Touchpad
- PC Fingerprint Sensors
- Video Interface ICs
Synaptics Products are Everywhere

CONSUMER IOT
- Audio processor
- Touch/Display
- Voice processor
- Video processor
- Computer Vision
- Neural Network Accelerator

MOBILE
- Display driver
- Touch controller

AUTOMOTIVE
- Touch controller
- Display driver
- Fingerprint sensor
- Integrated touch & display controller (TDDI)

PC
- Video Interface
- Fingerprint sensor
- Pointing device
- Touchpad
Our Solutions in Flagship Devices

CONSUMER IOT

- LG U+ UHD3 Set-Top-Box
- Swisscom Set-Top Box
- Google Nest Wifi & Mini
- Samsung Galaxy Note 10 Earbuds

MOBILE

- Huawei P40 Pro and Pro Plus
- vivo x30
- LG V50S
- ASUS ROG 2

AUTO

- Porsche
- BMW
- Audi
- Jaguar
- Ford
- Land Rover

PC

- Dell XPS 2-in-1
- HP Elite Dragonfly
- Lenovo X1 Carbon

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Advanced Underlying Technologies

- Capacitive Sensing
- Display Driver and Integrated Sensing
- Video and Image Processing
- Optical Imaging
- Acoustics and Audio Output Processing
- Far-field Voice and Speech Capture
- Machine Learning
# Vast Network of Global Partners

## OEMs
- Dell
- Lenovo
- HP
- Apple
- Microsoft
- Samsung
- LG
- Harman
- Sennheiser
- Technicolor
- Acer
- Anker
- Toshiba
- Kensington
- Humax
- PQI
- Continental
- Daimler
- Toyota
- Renault
- Ford

## Ecosystem
- Amazon
- PayPal
- Google
- Microsoft
- Intel
- Alipay
- Baidu
- Qualcomm
- Dish
- UnionPay
- Tencent
- Swisscom
- LG

## LCMs
- Samsung Display
- LG Displays
- Sharp
- JDI
- TIANMA
- BOE
- Innolux
- JTouch
- Truly
- AUO
- CSOT

## ODMs
- Linkplay
- Goertek
- Compal
- Foxconn
- Wistron
- Luxshare ICT
- Gemtek
- Quanta Computer
- Pegatron
Global Talent to Serve Global Customers

EMEA
25+ Employees
- Armenia
- Denmark
- France
- Switzerland
- United Kingdom

Asia
1,000+ Employees
- Beijing, China
- Chengdu, China
- Chongqing, China
- Hong Kong, China
- Nanchang, China
- Shanghai, China
- Shenzhen, China
- Xiamen, China
- Bangalore, India
- Hyderabad, India
- Nakano, Japan
- Seoul, Korea
- Singapore
- Chongli, Taiwan
- Hsinchu, Taiwan
- Kaoshiung, Taiwan
- Taipei, Taiwan
- Thailand

North America
500+ Employees
- San Jose, CA *(Corporate HQ)*
- Atlanta, GA
- Austin & Houston, TX
- Irvine, CA
- Phoenix, AZ
- Waltham, MA
- Canada
Boundless Opportunities