

Infineon at a glance

Infineon Technologies originated from the semiconductor division of the former parent company Siemens and was established as a public company, based in Munich, Germany, in April 1999. The Company has been listed on the Frankfurt and New York Stock Exchanges (NYSE) since March 13, 2000 with the ticker symbol "IFX". With a global presence, Infineon operates in the USA from San Jose, California, in Asia-Pacific from Singapore, and in Japan from Tokyo. With approximately 36,400 employees worldwide, Infineon achieved revenues of €6.76 billion in the 2005 financial year, compared to €7.19 billion in the 2004 financial year.

Segment

Applications

Automotive, Industrial and Multimarket (AIM)

For cars:

chips for drive control, safety, body convenience functions, and navigation

For industry:

chips to control electric drives and industrial facilities, power supply, energy transmission and conversion

For multimarket:

broad use in application areas such as household appliances, entertainment electronics, computers, and communications equipment

In chip cards:

chips with contact-based or contactless interface

Automotive:

... Power train (engine and transmission control), car body and convenience electronics, safety (airbag, ABS, EPS), infotainment (navigation and telematics)

Industrial:

... Power packs and power supply units for electric drives and industrial facilities, welding equipment, wind turbines, trains, railroads, and medical technology

Multimarket:

... Power packs and power supply units for PCs, notebooks, television sets, DVD players, and electric motor drives for washing machines, ventilators, air conditioners, lamp control, hard drives, computer peripherals, and game consoles

Chip cards:

... A variety of applications for chip-based cards in the fields of communications (SIM, U-SIM cards, telephone cards), payment systems (credit and debit cards), identification (ID cards, insurance cards), entertainment (Pay-TV cards), object identification and logistics (RFID tags), platform security for computers and networks (TPM)

Communication (COM)

Wireline communications:

chips for conventional voice communications, access technologies for broadband, mobile phone infrastructure, and applications for end customers

Wireless communications:

chips and system solutions for mobile phones and mobile network infrastructure, cordless telephones, and wireless networks

Wireline communications:

... Conventional voice communications
... Copper-based broadband data communications
... Integrated voice and data communications
... Home networks

Wireless communications:

... Mobile communications, cellular base stations
... Cordless telephones
... Radio frequency technology for short, medium, and long-range distances
... Television receivers
... Navigation

Memory Products (MP)

DRAM memories:

for applications in the fields of electronic data processing, communications, and consumer electronics

Numerous specialty memories:

optimized for high transmission rates and low power consumption

Non-volatile memories:

for applications in the fields of mobile communications and consumer electronics

... **Data processing:** PCs, notebooks, workstations, servers

... **Graphic applications:** graphics boards, game consoles

... **Mobile applications:** PDAs, smart phones

... **Consumer electronics:** digital cameras, MP3 players, set-top boxes, USB flash drives

Products	Market position	Key customers ¹	Competitors ¹
<p>Automotive: ... Microcontrollers, power semiconductors, sensors (tire pressure, temperature, inertia, magnetic field sensors), components for in-car vehicle busses (CAN, LIN, MOST)</p> <p>Industrial: ... Microcontrollers, power semiconductor ICs, discrete power semiconductors, IGBT and bipolar modules, discrete small-signal semiconductors</p> <p>Multimarket: ... Thyristors and diodes, sensors, high-frequency semiconductors, discrete semiconductors, plug-in memory modules, security chips, power semiconductors</p> <p>Chip cards: ... Contact-based and contactless security controllers (8-bit, 16-bit, 32-bit) and memory, security memory, Trusted Platform Modules (TPM), RFID chips</p>	<p>Automotive: ... No. 2 in automotive semiconductors (No. 1 in Europe) ... Leader in tire pressure monitoring systems</p> <p>Industrial, Multimarket: ... No. 1 in power semiconductors ... No. 2 in semiconductors for industrial drives and traction ... No. 4 for all industrial applications</p> <p>Chip cards: ... No. 1 in chip card ICs</p>	<p>Automotive, Industrial, and Multimarket: ... ABB, Asustek, Autoliv, Avnet ... Bosch ... Continental Automotive Systems ... Delphi, Delta, Denso ... Foxconn ... Gigabyte ... Hella, Hitachi ... ICS ... Lear ... Microsoft, Motorola ACES, MSI ... Rockwell ... SAC, Siemens ... TRW ... Visteon</p> <p>Chip cards: ... Axalto ... Gemplus, Giesecke & Devrient ... Oberthur Card Systems</p>	<p>Automotive, Industrial, and Multimarket: ... Fairchild, Freescale ... International Rectifier ... Mitsubishi ... National Semiconductor ... ON Semiconductor ... Philips ... Renesas ... STMicroelectronics ... Toshiba</p> <p>Chip cards: ... Atmel ... Philips ... Renesas ... Samsung, STMicroelectronics</p>
<p>Wireless communications: ... Interface components for voice communications in switching centers and terminal units (CODECs, SLICs, ISDN, T/E etc.) ... Solutions for integrated voice and data communications, and VoIP ... System solutions for wireline broadband technologies (ADSL, ADSL2, ADSL2+, VDSL, VDSL2) ... System solutions for DSL modems, routers, home gateways, WLAN access points, NICs, etc.</p> <p>Wireless communications: ... Baseband processors and high-frequency transceivers for standard wireless communication standards (GSM, GPRS, E-GPRS, EDGE, W-CDMA, DECT, WDCT, Bluetooth) ... 1-chip solutions and modules, in which baseband processors and high-frequency transceivers are combined into a single component ... System solutions for mobile phones including platform design, operational software, applications ... Services for system integration and customized adaptations ... Analog and digital TV tuners for stationary and mobile TV receivers ... Power transistors for cellular base station amplifiers (up to 180 watts) for 2G through 3G, CDMA/2000 cellular standards ... GPS receivers ... BAW filters</p>	<p>Wireline communications: ... No. 1 in ISDN ... No. 1 in T/E carriers ... No. 1 in analog line cards ... No. 3 in access networks ... No. 4 in digital line cards ... No. 5 in application specific components</p> <p>Wireless communications: ... No. 1 in high-frequency transceivers ... One of the top two suppliers for DECT/WDCT ... No. 2 in power transistors for cellular base stations ... No. 3 in application-specific components ... No. 4 in Bluetooth</p>	<p>Alcatel BenQ Ericsson Huawei LG Electronics Matsushita, Motorola Nokia Samsung, Siemens ZTE</p>	<p>... Agere ... Broadcom ... Conexant ... Ericsson Mobile Platforms ... Freescale ... Intel ... Philips Semiconductors ... Qualcomm ... Renesas Technology ... STMicroelectronics ... Texas Instruments</p>
<p>... Standard DRAM memory with memory densities from 64 Mbit to 1 Gbit ... Memory modules for PCs, notebooks, subnotebooks, workstations, and servers with memory densities from 64 MByte to 8 GByte ... Specialty memories for graphics applications (Graphics RAM) ... Specialty memories for mobile systems (Mobile-RAM, Cellular RAM) ... Non-volatile memory (NAND-Flash) ... Flash memory cards with memory densities from 64 MByte to 256 MByte for standard formats: SD-Card, MMC, and USB flash drives</p>	<p>... No. 4 in DRAM memory ... Technological leader in 300-millimeter wafer production ... Top position in high-performance graphics memories ... Top position in power-saving specialty memories ... Top position in highly complex memory modules for workstations and servers</p>	<p>.. Acer, Asustek, ATI .. Cisco .. Dell .. EMC .. Fujitsu-Siemens .. HP, HTC .. IBM .. Kingston .. Lenovo, Lexar Media, LG Electronics .. Microsoft, Motorola .. NEC, Nvidia .. Sony, Sun Microsystems</p>	<p>Elpida Hynix Micron Nanya PowerChip Samsung</p>