Press Release

A smart air conditioner that can "see", "hear" and "feel" its environment

Munich, 11 November 2022 – Temperatures in many regions of the world once again reached record highs this year. The demand for air conditioning systems is on the rise. In the EU, 50 percent of the energy consumed in buildings and industry is used for heating and cooling. Semiconductor technologies can play a decisive role in cutting the power consumed by these systems. Infineon Technologies AG will present a smart air conditioning system at Hall C3, Booth 502 during the electronica trade fair, which will take place from 15 to 18 November in Munich. This intelligent air conditioner significantly reduces power consumption and increases comfort thanks to targeted cooling.

"Semiconductors support the green and digital transformation in many, highly varied ways. They are the heart of every connected application," says Dr. Peter Wawer, President of Infineon's Industrial Power Control Division. "One impressive example of this is an intelligent air conditioning system which can 'see', 'hear' and 'feel' its surroundings. It only cools when it really has to. This raises the level of comfort for the people in a room while at the same time reducing the amount of energy consumed."

The intelligent air conditioner can analyze its environment and adjusts its performance accordingly. This is made possible by sensors and controllers which identify the location and number of people in a room on an anonymous basis. Using this information, the smart air conditioning system then regulates performance on a need-driven basis, modifying fan speed as well as swing scope.

The system also measures temperature, CO_2 concentration and air quality in order to decide when to infuse fresh and cool air. Thanks to predictive maintenance, operators receive up-to-date information on the condition of the device. Human-machine interaction is realized using remote control, thermostat, display, connectivity and voice control.

For the Business and Trade Press: INFXX202211-022

Kerstin Deixler (Headquarters)	Tel.: +49 89 234 43964	Kerstin.deixler@infineon.com	**Investor Relations:**
Judy Davies (Americas)	Tel.: +1 408 6216212	judy.davies@infineon.com	Tel: +49 89 234 26655
Chi Kang David Ong (Asia-Pacific)	Tel.: +65 6876 3070	david.ong@infineon.com	investor.relations@infineon.com
Jonathan Liu (Greater China)	Tel.: +86 21 6101 9182	jonathan.liu@infineon.com	
Yasuyuki Kamiseki (Japan)	Tel.: +81 3 5745 7544	yasuyuki.kamiseki@infineon.com	

Artificial Intelligence is indispensable in the further processing of the data generated. Edge Computing makes it possible to process data locally and transmit only the necessary information to the cloud. This means crucial decisions can be made directly in the device. The air conditioning system thus becomes an intelligent service promising a new user experience and higher energy efficiency.

Infineon at electronica 2022

At electronica, from 15 to 18 November in Hall C3, Booth 502, Infineon Technologies AG will be presenting a smart air conditioning system which includes interior and exterior devices with WIFI connectivity and sensors for intelligent functions. With the theme "Driving decarbonization and digitalization. Together." Infineon shows why semiconductors are key elements of a better future and demonstrates intelligent and energy-efficient solutions for the connected world of tomorrow.

You'll find additional information here: www.infineon.com/electronica

About Infineon

Infineon Technologies AG is a world leader in semiconductor solutions that make life easier, safer and greener. Microelectronics from Infineon are the key to a better future. With around 50,280 employees worldwide, Infineon generated revenue of about €11.1 billion in the 2021 fiscal year (ending 30 September).

Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the over-the-counter market OTCQX International Premier (ticker symbol: IFNNY). Further information is available at www.infineon.com
This press release is available online at www.infineon.com/press

Follow us: Twitter - Facebook - LinkedIn

For the Business and Trade Press: INFXX202211-022

Kerstin Deixler (Headquarters)	Tel.: +49 89 234 43964	kerstin.deixler@infineon.com	**Investor Relations:**
Judy Davies (Americas)	Tel.: +1 408 6216212	judy.davies@infineon.com	Tel: +49 89 234 26655
Chi Kang David Ong (Asia-Pacific)	Tel.: +65 6876 3070	david.ong@infineon.com	investor.relations@infineon.com
Lin Zhu (Greater China)	Tel.: +86 21 6101 9199	lin.zhu@infineon.com	
Yasuyuki Kamiseki (Japan)	Tel.: +81 3 5745 7544	yasuyuki.kamiseki@infineon.com	