

Arrow Electronics, Panasonic Industry, and STMicroelectronics Join Forces to Deliver IoT Modules for Smart Applications

*Low-Power Wireless Multi-Sensor Edge-Intelligence Modules
Address Smart Factory, Smart Home and Smart Life Solutions*

Neu-Isenburg, Germany; Munich, Germany; Geneva, Switzerland – May 19, 2020 – Arrow Electronics, Panasonic Industry, and STMicroelectronics (ST) have introduced a low-power wireless multi-sensor edge-intelligence solution for smart factory, smart home, and smart life applications.

The IoT Solution Module combines Arrow's engineering and global distribution capabilities with Panasonic Industry's IoT modules based on the ST BlueTile (STEVAL-BCN002V1B) multi-sensor development kit. This combination enables customers to test their ideas easily and bring new IoT products to the market faster.

The IoT Solution Module features ST's latest BlueNRG Bluetooth Low Energy (BLE) 5.0 system-on-chip (SoC) paired with numerous inertial, environmental, and audio sensors. The onboard sensors enable the cost-effective delivery of a broad range of compact and valuable IoT applications for smart factory, smart home and smart life scenarios.

Comprehensive services and validation processes enable a reduced BOM that combines an accelerometer and gyroscope with Time-of-Flight, pressure, and humidity sensors in an efficient low-power design with Bluetooth communications. This combination enables OEM customers to dramatically slash time-to-market and reduce design expense and complexity using certified modules.

"Building on the outstanding features and design of the ST BlueTile sensor-node development kit, the modules now available from Panasonic Industry through Arrow Electronics are ideal for speeding creation of a wide range of edge-node sensors for all kinds of Internet-of-Things applications," said Philip Lolies, EMEA Vice President, Marketing & Application, STMicroelectronics.

"Panasonic's IoT Solution Modules inspired by ST BlueTile support customers by cutting down their time to market in this fast paced era", said Dr. Sara Ghaemi, Team Leader, IoT, Panasonic Industry Europe GmbH. *"Panasonic Industry is able to offer an unrivaled customer service throughout all stages of the product lifecycle ranging from design, development and validation to aftermarket. The modules support customers in reducing their development efforts and overall product costs while guaranteeing the highest quality and required certifications. This new solution will serve the customer's needs in smart factory, smart home and smart life applications."*

“The modern embedded design requires sensors and wireless connectivity. This is accelerating based on the breadth of wireless standards being integrated into products,” said Matthias Hutter, Vice President, Product Management and Supplier Marketing, Arrow Electronics, EMEA.

“However, using sensors and designing the supporting circuitry for the task would take a lot of time and resources to develop. Additional certification time is needed on top. Using pre-qualified wireless sensor modules in the system design is saving development time and budget which speeds up time to market for our customers. By working with ST and Panasonic we are bringing the fundamental sensor and wireless building blocks in a great package for accelerated design.”

About Arrow Electronics

Arrow Electronics guides innovation forward for over 175,000 leading technology manufacturers and service providers. With 2019 sales of \$29 billion, Arrow develops technology solutions that improve business and daily life. Learn more at fiveyearsout.com.

About Panasonic Industry

Panasonic Industry Europe GmbH is part of the global Panasonic Group and provides automotive and industrial products and services in Europe. As a partner for the industrial sector, Panasonic researches, develops, manufactures and supplies technologies that support the slogan “A Better Life, A Better World”.

The company’s portfolio covers key electronic components, devices and modules up to complete solutions and production equipment for manufacturing lines across a broad range of industries. Panasonic Industry Europe is part of the global company Panasonic Industrial Solutions. More about Panasonic Industry Europe: <http://industry.panasonic.eu>

About STMicroelectronics

ST is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. ST’s products are found everywhere today, and together with our customers, we are enabling smarter driving and smarter factories, cities and homes, along with the next generation of mobile and Internet of Things devices.

By getting more from technology to get more from life, ST stands for life.augmented. In 2019, the Company’s net revenues were \$9.56 billion, serving more than 100,000 customers worldwide. Further information can be found at www.st.com.

For Press Information Contact:

Thorsten Hecking
PR & Media Relations Manager EMEA
Arrow Electronics
Tel: +49 6102 5030 8638
Email: thecking@arroweurope.com

Moritz Cehak
Senior Product Communication Manager
Panasonic Industry Europe GmbH
Tel: +49 89 45354 1228
Email: moritz.cehak@eu.panasonic.com

Michael Markowitz
Director Technical Media Relations
STMicroelectronics
Tel: +1 7 81 591 0354
Email: michael.markowitz@st.com