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**Mesh networks as easy as never before**  
Panasonic Industry and Symbiotech release new Wirepas Mesh Demo Kit for BLE flagship module PAN1780, allowing IoT applications a groundbreakingly flexible setup of mesh networks

Munich, May 2023

Panasonic Industry recently announced that it approached the Finnish mesh firmware innovators from Wirepas to integrate their patented advanced mesh connectivity into the PAN1780, a Bluetooth® 5 Low Energy Module that is based on the Nordic Semiconductor’s nRF52840 single-chip controller.

Now, the company has good news again for all designers looking for a high performance ready-to-use low energy module to set up a Wirepas Mesh network in just a few steps.

The launch of the PAN1780 Wirepas Mesh Demo Kit springs from Panasonic’s collaboration with IoT software consulting firm, [Symbiotech](https://symbiotech.com/). The kit consists of four battery-powered sensor nodes and a sink, allowing you to set up a Wirepas Mesh network at any time and at any place.

Panasonic Industry provides a sensor node with a long wireless transmission range. This is achieved by the optimised chip antenna of the PAN1780.

Symbiotech, as Wirepas Mesh experts, developed software that enables an extremely easy set-up of the demonstration, with a user interface that shows sensor data, offers control and gives insight into the network health.

PAN1780’s high quality hardware design paired with Wirepas’ multi-hop wireless mesh technology and combined with Symbiotech’s tailored software design allows an easy and quick entry into the world of mesh applications:

“We are happy now having added another benefit to our PAN1780 module and being able to offer a comprehensive and ultimately simple asset for mesh network based IoT applications”, summarizes Tomislav Tipura from the Panasonic Industry Europe Wireless Connectivity department in Ottobrunn near Munich.

“Standing for highest design flexibility at lowest energy consumption in standalone mode, the PAN1780 is the perfect device for this collaborative solution. It will suit our customers’ requirements most easily – at minimized total costs of ownership for next-gen IoT connectivity,” Tipura continues.

“We are very glad to see our partners Panasonic Industry and Symbiotech come together with this interesting offering. This can really help to accelerate the design cycles for Wirepas end-users”, says Oula Välipakka, Head of Partner Growth at Wirepas.

Learn more on the Panasonic Industry [PAN1780](https://industry.panasonic.eu/products/devices/wireless-connectivity/bluetooth-low-energy-modules/pan1780-high-performance-and-long-range) and the ingenious [Wirepas Mesh firmware.](https://www.wirepas.com/products/wirepas-massive)   
Visit [www.symbiotech.com](http://www.symbiotech.com) to learn more about our IoT software partner’s capabilities.

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the five major operating companies within Panasonic Holding. Panasonic Industry Europe provides products and services for industrial customers all over Europe.   
   
Panasonic Industry Europe is committed to enabling customers to achieve their goals in a broad range of industrial sectors such as mobility, infrastructure, automation, medical, appliances, smart living, and security. With the know-how of devices and solution technologies, cultivated through a global mindset and over a century of tradition, Panasonic Industry collaborates closely with customers to create a sustainable future.

Panasonic Industry Europe’s broad and diverse product portfolio encompasses key electronic component sectors including electromechanical and passive components, batteries and other energy products, sensors and wireless connectivity modules, thermal management materials and custom solutions, as well as automation devices & solutions.

More about Panasonic Industry Europe: [http://industry.panasonic.eu](http://industry.panasonic.eu/)

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The Group reported consolidated net sales of Euro 59.40 billion (8,378.9 billion yen) for the year ended March 31, 2023. To learn more about the Panasonic Group, please visit: <https://holdings.panasonic/global/>