

New B511-1C Evaluation Board from Panasonic Industry available now for rapid testing and prototyping

Evaluation board for PAN B511-1C Bluetooth module based on the Nordic nRF54L15 single chip controller

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Panasonic Industry has recently introduced the new B511-1C Evaluation Board (ENW89861AXKF). It features a PAN B511-1C (ENW89861A3KF) module which is based on the Nordic Semiconductor nRF54L15 single-chip controller.

The evaluation board features a pin header in Arduino UNO footprint configurable as shield or board and a mikroBUS socket for easy compatibility with external components like sensors and displays for quick prototyping. It comes with an additional 64Mbit memory on board and a board configuration which is available within Zephyr / nRF Connect SDK. Interested parties can access all the different module interfaces like GPIOs (all 32), NFC-A, current measurement pins, and Segger J-Link on-board debugger easily, which makes the evaluation board ideally suited for the evaluation of the PAN B511-1C module and rapid prototyping of lighting applications, home appliances, industrial sensors, medical devices, healthcare wearables, energy management devices and solar farms.

The newly launched small and cost-effective PAN B511-1C Bluetooth module from Panasonic Industry features great performance and great memory while minimizing current consumption based on the Nordic nRF54L15 single chip controller.

A dedicated number of GPIOs is positioned at the edge of the module, with the rest of the GPIOs located at the bottom pad, with the module providing access to all 32 GPIOs of the chip. With its unique hybrid packaging design of castellated holes and LGA, the module remains at the small size of a 2-cent coin. This way, it combines the advantages of both worlds without compromising on size and enables one of the best pin-to-size ratios for Bluetooth modules currently on the market.

The PAN B511-1C Bluetooth module will be certified for CE RED, FCC, ISED and MIC. Samples are already available now and the start of mass production is scheduled for June 2025.

For more information on the latest PAN B511-1C Bluetooth module please click [HERE](#) or check the [PAN B511 - Wireless Connectivity Development Hub](#)

About Panasonic Industry Europe GmbH

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the eight 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>

About the Panasonic Group

Founded in 1918 and today a global leader in developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, industry, communications, and energy sectors worldwide, the Panasonic Group switched to an operating company system on April 1, 2022, with Panasonic Holdings Corporation serving as a holding company and eight companies positioned under its umbrella.

The Group reported consolidated net sales of Euro 54.12 billion (8,496.4 billion yen) for the year ended March 31, 2024. To learn more about the Panasonic Group, please visit: <https://holdings.panasonic/global/>