

# Advanced Medical Solutions from Microchip Featured in THE EDGE by Future Electronics

News-Press Release

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<https://prsafe.com/release/13533/>

## Summary

Future Electronics is featuring Microchip's best-in-class medical solutions in this month's edition of THE EDGE.

## Message

Montreal, Canada (prsafe ) June 10, 2021 - Future Electronics, a global leading distributor of electronic components, is featuring a range of medical solutions from Microchip in the latest edition of THE EDGE.

As medical cases worldwide have soared, so too has the demand for smart, connected and secure IoT-enabled medical devices. Future Electronics and Microchip are experienced partners that can help meet design requirements smoothly and safely by helping medical manufacturers design and implement clinical, wearable and life-critical devices.

Microchip's Single-Chip Vibrating Mesh Nebulizer Demonstration Board is ideal for cost-effective drug delivery devices and has many advantages, such as a small size, portability, quiet operation, short treatment times, battery operation, increased output efficiency and minimal residual volume. The integrated Core Independent Peripherals (CIPs) on Microchip's PIC16F1713 8-bit MCU significantly offload the MCU's core in handling the control functions of a piezoelectric transducer mesh nebulizer.

Microchip's Ultra Low-Power or ULP Connected Wearable Activity Monitor Demonstration Board can be used as the starting point for the design of more advanced activity and biometric measurement devices in medical home monitoring, patient tracking and drug delivery compliance devices. These devices measure and analyze sleep quality, heart rate, body temperature, blood oxygen and more. Bluetooth connectivity allows the demo to communicate with tablets, smartphones or PCs for IoT capability.

Microchip's Connected Thermometer Board showcases the ability to apply advanced MCUs and Bluetooth modules for premium performance and connectivity. The technology is now being integrated into many consumer products such as connected fitness and medical activity trackers. Featuring Microchip's PIC16F1519 MCU and RN42 Bluetooth Module, this eXtreme Low Power (XLP) 8-bit microcontroller has an integrated touch sensing module for easy interactivity.

Microchip's Pulse Oximeter Demonstration Design enables simple and advanced Internet of Things (IoT) medical device designs. With the increased demand to measure heart rate and blood oxygen saturation, using one of Microchip's many medical demo designs can quickly send the data to Google's Cloud IoT core platform so you can keep track of the measurements safely. This is accomplished by using the Pulse Oximeter Demonstration Design along with the AVR-IoT WG Development Board.

To learn more, visit <https://www.futureelectronics.com/resources/new-featured-products/microchip-medical-solutions>. To see the entire portfolio of Microchip products available through Future Electronics, visit [www.FutureElectronics.com](http://www.FutureElectronics.com).

THE EDGE is the latest e-newsletter from Future Electronics, and is geared toward engineers and buyers looking for new or leading-edge products. THE EDGE comes out twice per month, and each edition features product information, datasheets and videos showcasing the most advanced new technology in a specific area, such as sensing, lighting, or automotive.

Visit [www.FutureElectronics.com/subscribe](http://www.FutureElectronics.com/subscribe) to receive the latest issues of THE EDGE newsletter, and stay up to date with the newest technologies.

## About Future Electronics

Future Electronics is a global leader in electronics distribution, recognized for providing customers with global supply chain solutions, custom-tailored engineering services and a very extensive variety of electronic components. Founded by Robert G. Miller in 1968, Future Electronics believes its 5500 employees are its greatest asset, with 170 offices in 44 countries. Future Electronics is

globally integrated, with a unified IT infrastructure that delivers real-time inventory availability and the highest level of service, the most advanced engineering capabilities, and the largest available-to-stock mission is always to Delight the Customer®. For more information, visit [www.FutureElectronics.com](http://www.FutureElectronics.com)

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Boilerplate 1

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