

PRESS RELEASE

HT Micron announces its new LoRaWAN® and Bluetooth® chip for the Internet of Things made in Brazil

São Leopoldo-RS, Brazil - July 1, 2021

Since 2019, HT Micron (<http://www.htmicron.com.br>) has been supplying Advanced semiconductor solutions for the market of Internet of Things (IoT).

Now the manufacturer is adding a product to its portfolio: the system-in-package (SiP) iMCP HTLRBL32L, designed and produced in Brazil integrates two connectivity protocols in one component: LoRaWAN® & Bluetooth®.

Bluetooth® allows to send data over a short distance with high data rates, while LoRaWAN® covers long distances with a low power consumption.

Being a System-in-Package (SiP), the iMCP HTLRBL32L integrates the main components of an electronic system in one single packaging of only 13x13x1.1mm. It contains a microcontroller with integrated Bluetooth® radio (BlueNRG-LP), a Semtech® LoRa® transceiver and passive components.

The 32-bit ARM Cortex M0+ microcontroller is optimized for low energy consumption applications, while the Semtech multi-region transceiver allows data transmission on LoRaWAN® networks with operational frequencies of 433 MHz to 960 MHz, thus combining high performance with long range data transmission.

The microcontroller integrates a Bluetooth® Low Energy 5.2 (BlueNRG-LP) radio for high data rate transmission in short range. Technology version 5.2 offers a 4-fold range, double speed and 800% bigger transmission frequency than the previous protocol versions. The Low Energy mode allows data transmission with reduced energy consumption. Thus, Bluetooth® Low Energy 5.2 is ideal for IoT applications, enabling higher operational efficiency and longer battery life for IoT devices.

The SiP iMCP HTLRBL32L supports various analog and digital communication protocols such as ADC, SPI/I2S, I2C, USART and LPUART, gaining higher versatility for embedded system development and more flexibility in the integration and design of IoT devices which use the iMCP HTLRBL32L as communication module integrated with other components.

The product launch of the LoRaWAN® & Bluetooth® System-in-package will take place in October 2021.

For more information contact: email imcp@htmicron.com.br

Register your interest to receive updates and news about the iMCP - HTLRBL32L:

<https://forms.office.com/r/SkE4svVegb>

About HT Micron

HT Micron provides advanced semiconductor products. The portfolio includes memories for computers, mobile phones and smart TVs, as well as System-in-Package connectivity solutions for the Internet of Things. HT Micron is a Brazilian company, having as main shareholder the South Korean group HANA Micron, and is based in the city of São Leopoldo, RS, in South Brazil. More on <http://www.htmicron.com.br/en/>

Disclaimer:

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LoRaWAN® is a mark used under license from the LoRa Alliance®.

Social media (suggested)

New LoRaWAN® e Bluetooth® System-in-Package iMCP HTLRBL32L.

Designed and produced in Brazil, the tiny 13x13x1.1mm chip **iMCP HTLRBL32L** uses two communication protocols: LoRaWAN® & Bluetooth®. Ready-to-use connectivity, adding only a battery and an antenna to the chip.

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#HTMicron #iot #imcp #lora #lorawan #bluetooth #madeinBrazil