



PRESS RELEASE

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connectBlue™ releases complete Bluetooth 2.1+EDR HCI modules

The connectBlue portfolio of industrial OEM modules is now expanded with two new Bluetooth 2.1+ EDR HCI modules. The unique feature of the new modules is the storing of the Bluetooth MAC (Media Access Control) address and the individual radio tuning parameter directly in the module. As the two HCI (Host Controller Interface) modules are already radio tested and fine-tuned, they are ready to be installed in demanding industrial applications. Also, thanks to their high input sensitivity and high output power, the modules fit nicely when there is a need of a long range high-performing Bluetooth HCI solution.

Since the new Bluetooth 2.1+EDR HCI modules are equipped with high speed UART (Universal Asynchronous Receiver/Transmitter) up to 3.7 Mbit/s as well as SPI (Serial Peripheral Interface), it is possible to fully utilize the EDR (Enhanced Data Rate) data throughput. Further, the modules have an excellent input sensitivity of -90 dBm as well as output power of +7 dB enabling a range of some 150 meters.

The unique feature that stores the Bluetooth MAC address as well as the individual radio tuning parameters in the module not only avoids the efforts to store these parameters in the host processor but also eliminates the need for trimming, tuning and testing the radio parameters during the production of the final product.

“Our new complete Bluetooth 2.1+EDR industrial modules provide the customer with ready to use HCI solutions for industrial, medical and other demanding applications.” said Rolf Nilsson, President of connectBlue. “Not only is this solution ideal for high volume applications but also for medium volume applications.”

The Bluetooth 2.1+EDR HCI OEM modules are available with internal antenna as well as an external antenna option and they are fully Bluetooth qualified and radio type approved in Europe, US (FCC) and Canada. Depending on the host stack used, the modules can provide a large variety of Bluetooth functionality for data and voice transmission.

The OHCI411 module has the same form factor (16x36 mm) as the connectBlue OEMSPA311/331 and thus shares the same connector and mounting holes. The OHCI406 is a miniaturized version (14x22.5 mm) of the OHCI411 module. Besides

dimensions and power input, the functionality is the same of both Bluetooth 2.1+EDR HCI OEM modules.



Caption:

The industrial Bluetooth 2.1 + EDR HCI modules provide a cost efficient solution for demanding host stack based applications.

About connectBlue

connectBlue™ is a leading provider of wireless solutions for demanding applications in hygiene, rough environment, mobility, control, personal safety and security areas. Based on Bluetooth technology, Wireless LAN and 802.15.4, connectBlue provides ready-to-use products and modules as well as custom design solutions in both hardware and software. connectBlue was founded in 2000 and has offices in Malmö, Sweden and Chicago, USA. For more information, please visit www.connectblue.com

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