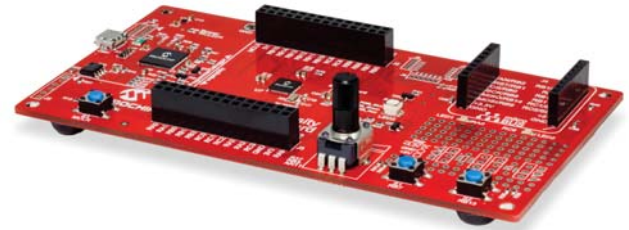


DM320101

PIC32MM Curiosity Development Board

The PIC32MM Curiosity Development Board features the new eXtreme Low Power (XLP), PIC32MM "GPL" family (PIC32MM0064GPL036) of low cost microcontrollers. This board is a simple and easy to use platform that facilitates quick PIC32MM evaluation, experimentation and application prototyping. The board also includes an integrated programmer/debugger and offers seamless integration with Microchip's MPLAB[®] X IDE and MPLAB Code Configurator for easy set-up and development.



R285* ex VAT

- Features the eXtreme low power PIC32MM0064GPL036 general purpose, 32-bit microcontroller
 - Low Voltage Sleep Mode with RAM retention <500nA
- Integrated PICKIT[™] On-Board (PKOB) circuit that enables programming/debugging capability
- Functionality expansion support with mikroBUS[™] interface for click boards[™]
- Wireless connectivity provision with Microchip's BM71 Bluetooth LE module footprint
- Various user interface options
 - MCLR reset button + two general purpose push buttons
 - Red/Green/Blue (RGB) LED + two general purpose indicator LEDs
 - Analog potentiometer
- Female headers for access to microcontroller I/O pins
- Small prototyping area for the user to add additional components
- Full compatibility with MPLAB X IDE, XC32 Compiler and MPLAB Code Configurator

Expand Your Curiosity -> Add Bluetooth

Owing to its low power, low cost and expansion capabilities, the PIC32MM Curiosity Development Board is ideal for developing battery operated applications, portable medical monitoring devices and IoT sensor nodes. The board also offers various user interfaces like switches, LEDs, potentiometer and supports a MikroElektronika mikroBUS[™] interface that lets you tap into an ecosystem of over 250+ add-on click boards[™] enabling customers to accelerate application prototype development. Additionally, Bluetooth[®] Low Energy communication can easily be added using Microchip's RN4871 module footprint.

* Budgetary pricing only, exclusive of VAT.
Subject to change without notification and/or RoE fluctuations (May 2017)

RN4871

The Easy-to-Use, complete yet Compact Bluetooth Solution



The RN4871 is a small form factor, Bluetooth 4.2 Low-Energy module measuring just 9 x 11.5 x 2.1 mm. This fully-integrated module is designed for easy implementation into a broad range of applications. Supporting the latest Bluetooth standard, it delivers up to 2.5x throughput improvement and more secure connections vs. Bluetooth 4.1 based products. Developers can easily interface to the device via a standard UART interface, available on most Microcontrollers and Processors.

The RN4871 has a completely integrated Bluetooth software stack, and offers a shielded regulatory certified version with built-in antenna. Developers are freed from the complexities of Bluetooth Software and RF development and can simply utilize the RN4871 as a wireline replacement. Perfect for IoT (Internet of Things) applications, when interfaced to a BLE enabled smartphone or Bluetooth Internet Gateway, applications can be monitored, controlled and updated from anywhere in the world.



R87*
ex VAT

Expand Your Curiosity -> Add Bluetooth

Owing to its low power, low cost and expansion capabilities, the PIC32MM Curiosity Development Board is ideal for developing battery operated applications, portable medical monitoring devices and IoT sensor nodes. The board also offers various user interfaces like switches, LEDs, potentiometer and supports a MikroElektronika mikroBUSTM interface that lets you tap into an ecosystem of over 250+ add-on click boardsTM enabling customers to accelerate application prototype development. Additionally, Bluetooth® Low Energy communication can easily be added using Microchip's RN4871 module footprint.

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Avnet South Africa (Pty) Ltd
Block 3, Pinewood Office Park, 33 Riley Road, Woodmead, 2191, South Africa
JHB : +27 11 319 8600, CPT : +27 21 689 4141, DBN : +27 31 266 8104
Shane.Padayachee@avnet.com

