

Bluetooth 2.1 class 2 surface mount module with built in antenna

Manufacturers	Microchip Technology, Inc
Package/Case	SMD-35
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for RN42-I/RM615 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The RN42XV module provides drop-in, certified Bluetooth connectivity for existing systems using 802.15.4 modules. Based on the popular 2 x 10 (2mm) socket footprint often found in embedded applications, the RN42XV offers a complete wireless solution for customers looking to migrate to a standard protocol without modifying existing hardware. The RN42XV modules are built upon Microchip's RN42 low power Bluetooth module. The module has an embedded Bluetooth stack and supports multiple interface protocols and profiles including the commonly used SPP and HID profiles.

Please consider this deviceRN4678

Features

Fully certified Bluetooth® version 2.1 module, supports version 2.1 + Enhanced Data Rate (EDR)

Backwards-compatible with Bluetooth version 2.0, 1.2, and 1.1

Pin compatible with widely used 2 x 10 2-mm socket typically used for 802.15.4 applications

Low power: 26 µA sleep, 3 mA connected, 30 mA transmit

UART (SPP or HCI) and USB (HCI only) data connection interfaces

Sustained SPP data rates: 240 Kbps (slave), 300 Kbps (master)

HCI data rates: 1.5 Mbps sustained, 3.0 Mbps burst in HCI mode

Embedded Bluetooth stack profiles included (requires no host stack): GAP, SDP, RFCOMM, and L2CAP protocols, with SPP, HID and DUN profile support

Bluetooth SIG certified

Certifications: FCC, IC, CE

Environmentally friendly, RoHS compliant

2 antenna options available: PCB trace (RN42XVP-I/RM) and U.FL connector for external antenna (RN42XVU-I/RM)

Related Products



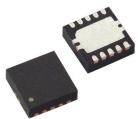
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VQFN-64



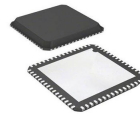
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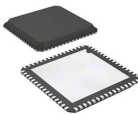
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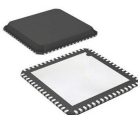
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