


Bluetooth Class II 3.3V 0.3Mbps 20-Pin

Manufacturer:	Microchip Technology, Inc
Package/Case:	MODULE-20
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	LTB



Images are for reference only

[Inquiry](#)

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 device RN4678

Key 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)

Recommended For You

RN171-I/RM

Microchip Technology, Inc
MODULE

RN42-I/RM630

Microchip Technology, Inc
MODULE-35

RN4870-V/RM118

Microchip Technology, Inc
MODULE-33

RN171XVU-I/RM

Microchip Technology, Inc
MODULE-20

RN42N-I/RM

Microchip Technology, Inc
MODULE

RN42-I/RM

Microchip Technology, Inc
35-SMD

RN131C/RM

Microchip Technology, Inc
Module

RN4020-V/RM120

Microchip Technology, Inc
MODULE

RN2483A-I/RM105

Microchip Technology, Inc
MODULE

RN4871U-V/RM118

Microchip Technology, Inc
MODULE-17

RN1723-I/RM100

Microchip Technology, Inc
Module

RN4870-I/RM130

Microchip Technology, Inc
MODULE

RN42HID-I/RM

Microchip Technology, Inc
MODULE-35

RN52-I/RM116

Microchip Technology, Inc
Module

RN42SM-I/RM

Microchip Technology, Inc
MODULE-35