

Bluetooth® Low Energy (LE) Comparison Chart

Quick Reference Guide

	Bluetooth® LE Version	UART Interface	Linux® Support	Tx Output Power (dBm)	Long Range (Coded PHY)	2M PHY	Multi-Link	Multi-Role	Serial Port Profile	Operating Temperature (°C)	Deep-Sleep Current (µA)	Secure Boot	Security	Antenna Type	Regulatory Certifications	Package Size (mm)
Plug-and-Play																
RNBD451	5.2	ASCII	Y	+12	Y	Y	Y	Y	–	-40 to 85	1.5	–	AES Engine, TRNG, SHA1, SHA224, SHA256	PCB	US, Canada, EU, UK, Japan, Korea, Taiwan, China	15.5 × 20.7
RN4678	5.0 + Classic	ASCII	–	+1.5	–	–	Y	–	Y	-20 to 70	130	–	AES128	Chip	US, Canada, EU, Japan, Korea, Taiwan, China, India	12 × 22
RN4870	5.0	ASCII	–	0	–	–	–	–	–	-40 to 85	2.9	–	–	Chip	US, Canada, EU, UK, Japan, Korea, Taiwan, China	12 × 22
RN4871	5.0	ASCII	–	0	–	–	–	–	–	-40 to 85	2.9	–	–	Chip	US, Canada, EU, UK, Japan, Korea, Taiwan, China	9 × 11.5
Pre-Programmed Controllers																
BM78	5.0 + Classic	Binary	–	+1.5	–	–	Y	–	Y	-20 to 70	130	–	AES128	Chip	US, Canada, EU, Japan, Korea, Taiwan, China, India	12 × 22
BM70	5.0	Binary	–	0	–	–	–	–	–	-40 to 85	2.9	–	–	Chip	US, Canada, EU, UK, Japan, Korea, Taiwan, China	12 × 22
BM71	5.0	Binary	–	0	–	–	–	–	–	-40 to 85	2.9	–	–	Chip	US, Canada, EU, UK, Japan, Korea, Taiwan, China	9 × 11.5
Programmable MCUs																
WBZ351	5.2	–	–	+11	Y	Y	Y	Y	–	-40 to 85	1.5	Y	AES Engine, TRNG, SHA1, SHA224, SHA256	PCB and u.FL	US, Canada, EU, UK, Japan, Korea, Taiwan, China	15.5 × 20.7
WBZ451	5.2	–	–	+12	Y	Y	Y	Y	–	-40 to 85	1.5	–	AES Engine, TRNG, SHA1, SHA224, SHA256	PCB and u.FL	US, Canada, EU, UK, Japan, Korea, Taiwan, China	15.5 × 20.7
WBZ450	5.2	–	–	+5	Y	Y	Y	Y	–	-40 to 85	1.5	–	AES Engine, TRNG, SHA1, SHA224, SHA257	PCB and u.FL	US, Canada, EU, UK, Japan, Korea, Taiwan, China	13.4 × 18.7

The Microchip name and logo and the Microchip logo are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are property of their respective companies.
© 2024, Microchip Technology Inc. All Rights Reserved. 4/24

DS00003005E