
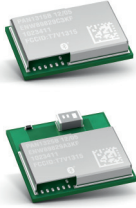







Series	PAN1322 Series	PAN1325B/1315B Series	PAN1326B/1316B Series	PAN1026 Series	PAN1720/PAN1721 Series	PAN1740 Series	PAN1760 Series
	CLASSIC		SMART READY		SMART		
							
Part Number	ENW-89841A3KF	ENW-89829x3KF	ENW-89823x3KF	ENW-89837A3KF	ENW-898xxxKF	ENW-89846A1KF	ENW89847A1KF
RF Category	Classic Bluetooth® Bluetooth® v2.1 + EDR	Classic Bluetooth® Bluetooth® v4.0 + EDR	Bluetooth® Smart Ready Bluetooth® v4.0	Bluetooth® Smart Ready Bluetooth® v4.0	Bluetooth® Smart Bluetooth® v4.0	Bluetooth® Smart Bluetooth® v4.1	Bluetooth® Smart Bluetooth® v4.0
Supported Profile	SPP	All	All	SPP + GATT ¹	BRSP ⁵ / GATT ¹	GATT ¹	SMP + GATT ¹
Controller	PMB8754	CC2560B	CC2564B	TC35661-501	CC2540/CC2541	DA14580	TC35667
Size [mm] w/o antenna w/ antenna	15.6 x 8.7 x 1.8	9.0 x 6.5 x 1.8 9.0 x 9.5 x 1.8	9.0 x 6.5 x 1.8 9.0 x 9.5 x 1.8	15.6 x 8.7 x 1.8	11.6 x 8.7 x 1.8 15.6 x 8.7 x 1.8	9.0 x 9.5 x 1.8	15.6 x 8.7 x 1.8
Rx Sensitivity [dBm]	-86 @ BER 10-3	-93 @ BER 10-3	-93 @ BER 10-3	-88 @ BER 10-3	-94 @ BER 1%	-93 @ BER 1%	-91 dBm
Tx Power (max.) [dBm]	+4	+10	+10	+4	+4/0	+0	+0
Power Supply [V]	2.9 to 4.1	1.8 to 4.8	1.8 to 4.8	1.8 or 3.3	2.0 to 3.6	2.35 to 3.3	1.8-3.3V
Current Consumption	Tx, EDR: 40mA Sleep Mode: 80µA	Tx, EDR: 40mA Sleep Mode: 135µA	Tx, EDR: 40mA Sleep Mode: 135µA	ACL, DH1: 46mA Sleep Mode: <100µA	Tx: 23mA @ -6dBm Rx: 18mA Sleep Mode: <1µA	Tx: 4.9mA Rx: 4.9mA Sleep Mode: <1µA	Tx/Typ: 5.4mA Rx/Typ: 5.4mA Sleep Mode: <5µA
Interfaces	GPIO, UART, JTAG	GPIO, PCM, UART	GPIO, PCM, UART	GPIO, UART	GPIO, UART, USB only PAN17x0 Series	GPIO, UART, SPI, I ² C, 3-axis QD, ADC	GPIO, UART
Memory	—	—	—	—	256kb	32kb OTP	512kb
Type	Place and Play ²	HCI ³	HCI ³	Place and Play ²	Autonomous ⁴	Autonomous ⁴	Autonomous ⁴
Footprint-compatible with	PAN172x Series	All CC256x based Bluetooth modules are footprint- and pin-compatible			PAN1322/ PAN172x Series		PAN1026
Operating Temp. [°C]	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85
Evaluation Kit	EVAL_PAN1322	EVAL_PAN1323		EVAL_PAN1026 EVAL_PAN1026EMK	EVAL_PAN1720 EVAL_PAN1720-BR EVAL_PAN1721 EVAL_PAN1721-BR	EVAL_PAN1740 EVAL_PAN1740EMK	EVAL_PAN1760EMK

For complete and current Panasonic Wireless Connectivity product information please visit: na.industrial.panasonic.com/products/wireless-connectivity

Notes:

- All Bluetooth Special Interest Group LE profiles
- Place and Play – Integrated microcontroller, API and Bluetooth controller
- Host Controlled Interface – Microcontroller and Bluetooth stack are required
- Autonomous – Stand Alone Operation
- BRSP-Blue Radios Serial Port
- Design and specification are subject to change without notice.
- Ask Panasonic for technical specification before purchase and/or use.
- If there is any doubt regarding the safety of this product, kindly inform Panasonic immediately for technical consultation.
- Qualification of all products: CE, FCC, IC, Bluetooth® ODD if applicable.
- Different software/profile options available.