



Bluetooth® modules

Product	Base silicon	Antenna	Max TX power [dBm]	Sensitivity (1M) [dBm]	Flash [kB]	RAM [kB]	GPIO	Operating voltage [V]	Operating temp. [°C]	Dimensions (W × L × H) [mm]	Protocols	Certifications
CYW20829B0-P4TAI100	CYW20829	★ PCB Trace Antenna	10.0	-106.0	1024	256	26	1.71 to 3.6	-40 to 85	14.5 × 19 × 1.95	Bluetooth LE 5.4	FCC, ISCED, CE, MIC
CYW20829B0-P4EPI100	CYW20829	External - RF pad	10.0	-106.0	1024	256	26	1.71 to 3.6	-40 to 85	14.5 × 19 × 1.95	Bluetooth LE 5.4	FCC, ISCED, CE, MIC
CYW20829B0-P4TAI200	CYW20829	★ PCB Trace Antenna	18.0	-108.0	1024	256	26	1.71 to 3.6	-40 to 85	14.5 × 21.16 × 1.95	Bluetooth LE 5.4	FCC, ISCED, CE, MIC
CYW20829B0-P4EPI200	CYW20829	External - RF pad	18.0	-108.0	1024	256	26	1.71 to 3.6	-40 to 85	14.5 × 21.16 × 1.95	Bluetooth LE 5.4	FCC, ISCED, CE, MIC
CYW20829B1-P5CAI100	CYW20829	★ Chip Antenna	10.0	-106.0	2048	256	26	1.71 to 3.6	-40 to 85	10 × 10 × 1.95	Bluetooth LE 5.4	FCC, ISCED, CE, MIC
CYW20822-P4TAI040	CYW20822 1)	★ PCB Trace Antenna	4.0	-95.0	1024	128	12	1.7 to 3.3	-40 to 85	10.5 × 20.2 × 2.3	Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYW20822-P4EPI040	CYW20822 1)	External - RF Pad	4.0	-95.0	1024	128	12	1.7 to 3.3	-40 to 85	10.5 × 20.2 × 2.3	Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-213043-02	CYW20819 ^{1) 2)}	PCB Trace Antenna	4.0	-93.5	256	176	22	1.71 to 3.3	-30 to 85	12.0 × 16.61 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-223058-02	CYW20819 ^{1) 2)}	Chip Antenna	4.0	-93.5	256	176	22	1.71 to 3.3	-30 to 85	11.0 × 11.0 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-263064-02	CYW20819 ^{1) 2)}	External - RF pad	15.0	-93.5	256	176	20	1.71 to 3.3	-30 to 85	12.5 × 19.0 × 1.85	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-263065-02	CYW20819 ^{1) 2)}	External - u.FL	15.0	-93.5	256	176	20	1.71 to 3.3	-30 to 85	12.5 × 19.0 × 1.85	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-273063-02	CYW20819 ^{1) 2)}	★ PCB trace antenna	15.0	-93.5	256	176	20	1.71 to 3.3	-30 to 85	12.5 × 19.0 × 1.85	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-243053-02	CYW20820 ^{1) 2)}	★ PCB trace antenna	10.5	-94.0	256	176	22	2.6 to 3.3	-30 to 85	12.0 × 16.61 × 1.70	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBT-253059-02	CYW20820 ^{1) 2)}	★ Chip antenna	10.5	-94.0	256	176	22	2.6 to 3.3	-30 to 85	11.0 × 11.0 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISCED, CE, MIC
CYBLE-343072-02	CYW20835 ²⁾	PCB trace antenna	12.0	-93.0	512	384	24	2.5 to 3.6	-30 to 85	13.31 × 21.89 × 1.95	Bluetooth LE 5.2	FCC, ISCED, CE, MIC
CYBLE-333073-02	CYW20835 ²⁾	External - RF pad	12.0	-93.0	512	384	24	2.5 to 3.6	-30 to 85	13.31 × 21.89 × 1.95	Bluetooth LE 5.2	FCC, ISCED, CE, MIC
CYBLE-333074-02	CYW20835 ²⁾	External - u.FL	12.0	-93.0	512	384	24	2.5 to 3.6	-30 to 85	13.31 × 21.89 × 1.95	Bluetooth LE 5.2	FCC, ISCED, CE, MIC

★ Top recommended modules

1) EZ-Serial are supported

2) MESH are supported

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CYBLE-416045-02	PSoC™ 6-BLE	PCB trace antenna	4.0	-93.5	1024	288	36	1.71 to 3.6	-40 to 85	14.0 × 18.5 × 2.0	Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBLE-012011-00	PSoC™ 4-BLE ^{ci}	PCB trace antenna	3.0	-90.5	128	16	23	1.9 to 5.5	-40 to 85	14.52 × 19.2 × 2.0	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC,
CYBLE-212020-01	PSoC™ 4-BLE ^{ci} ★	PCB trace antenna	3.0	-90.5	256	32	23	1.9 to 5.5	-40 to 85	14.52 × 19.2 × 2.0	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC,
CYBLE-202007-01	PSoC™ 4-BLE ^{ci}	External -u.FL	7.5	-95.0	256	32	19	1.9 to 3.6	-40 to 85	15.0 × 23.0 × 2.0	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-202013-11	PSoC™ 4-BLE ^{ci}	External - RF pad	7.5	-95.0	256	32	19	1.9 to 3.6	-40 to 85	15.0 × 23.0 × 2.0	Bluetooth LE 5.1	–
CYBLE-212006-01	PSoC™ 4-BLE ^{ci}	PCB trace antenna	7.5	-95.0	256	32	19	1.9 to 3.6	-40 to 85	15.0 × 23.0 × 2.0	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-014008-00	PSoC™ 4-BLE ^{ci}	PCB trace antenna	3.0	-87.5	128	16	25	1.9 to 5.5	-40 to 85	11.0 × 11.0 × 1.7	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-214015-01	PSoC™ 4-BLE ^{ci}	PCB trace antenna	3.0	-87.5	256	32	25	1.9 to 5.5	-40 to 85	11.0 × 11.0 × 1.7	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-022001-00	PSoC™ 4-BLE ^{ci}	Chip antenna	3.0	-90.5	128	16	16	1.9 to 5.5	-40 to 85	10.0 × 10.0 × 1.8	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-222014-01	PSoC™ 4-BLE ^{ci} ★	Chip antenna	3.0	-90.5	256	32	16	1.9 to 5.5	-40 to 85	10.0 × 10.0 × 1.8	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBLE-224116-01	PSoC™ 4-BLE ^{ci}	Chip antenna	9.5	n/a	256	32	25	1.9 to 5.5	-40 to 105	9.5 × 15.4 × 1.8	Bluetooth LE 5.1	FCC, ISED, CE, MIC, KC
CYBT-413055-02	CYW20719 ^{ci}	PCB trace antenna	4.0	-94.0	1024	512	17	1.76 to 3.63	-30 to 85	12.0 × 16.3 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-423054-02	CYW20719 ^{ci}	Chip antenna	4.0	-94.0	1024	512	17	1.76 to 3.63	-30 to 85	11.0 × 11.0 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-483056-02	CYW20719 ^{ci}	Chip antenna	20.0	-94.0	1024	512	15	1.76 to 3.63	-30 to 85	12.75 × 18.59 × 1.8	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-413061-02	CYW20721 ^{ci} ★	PCB trace antenna	4.0	-94.0	1024	512	17	1.76 to 3.63	-30 to 85	12.0 × 16.3 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-423060-02	CYW20721 ^{ci}	Chip antenna	4.0	-94.0	1024	512	17	1.76 to 3.63	-30 to 85	11.0 × 11.0 × 1.7	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-483062-02	CYW20721 ^{ci}	Chip antenna	20.0	-94.0	1024	512	15	1.76 to 3.63	-30 to 85	12.75 × 18.59 × 1.8	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-333032-02	CYW20706 ^{ci}	External - RF pad	9.0	-95.5	512	352	11	2.3 to 3.6	-30 to 85	12.0 × 13.5 × 1.95	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-333047-02	CYW20706 ^{ci}	External -u.FL	9.0	-95.5	512	352	11	2.3 to 3.6	-30 to 85	12.0 × 13.5 × 1.95	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBT-343026-01	CYW20706 ^{ci} ★	PCB trace antenna	9.0	-95.5	512	352	11	2.3 to 3.6	-30 to 85	12.00 × 15.50 × 1.95	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC, KC, NCC
CYBT-343151-02	CYW20706 ^{ci}	PCB trace antenna	9.0	-95.5	512	352	11	2.3 to 3.6	-30 to 105	12.0 × 15.5 × 1.95	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC, KC, NCC, ANATEL
CYBT-353027-02	CYW20707 ^{ci}	PCB trace antenna	9.0	-95.5	512	352	8	2.3 to 3.6	-30 to 85	9.0 × 9.0 × 1.75	Bluetooth Classic/Bluetooth LE 5.0	FCC, ISED, CE, MIC
CYBLE-013025-00	CYW20737 ^{ci}	PCB trace antenna	4.0	-93.5	128	60	14	2.3 to 3.63	-30 to 85	14.52 × 19.5 × 1.45	Bluetooth LE 5.2	FCC, ISED, CE, MIC
CYBLE-013030-00	CYW20737 ^{ci}	PCB trace antenna	4.0	-93.5	0	60	14	1.62 to 3.63	-30 to 85	14.52 × 19.5 × 1.45	Bluetooth LE 5.2	FCC, ISED, CE, MIC

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