

A-4R9 Bluetooth Dongle



Features

- Bluetooth V1.2 specification certified
- Supports power class 2 and 3 operation with power control
- Low standby power consumption

Specifications

Technical Specifications	
Supply Voltage	DC 6 V~30 V
Carrier Frequency	2400 MHz to 2483.5 MHz
Modulation Method	GFSK modulated
Maximum Data Rate	Asynchronous : 721 Kbps, synchronous: 432 Kbps
Transmission Power	4dBm Max (Class 2/Class 3)
Hopping	1600 hops/sec, 1 MHz channel space
Baseband Crystal	OSC 13 MHz
Output Interface	RJ45
Operating Temperature	-0° C ~ +70° C
Storage Temperature	-40° C ~ +120° C
Compliance Bluetooth Specification	v1.2
Built-in Flash Memory	4-Mbit
Dimensions	66 mm x 35 mm x 15 mm
Radio Specifications	
Receiver	
2.402GHz (single slot) - -76 - dBm @BER 0.1%	
2.441GHz (single slot) - -76 - dBm @BER 0.1%	
2.480GHz (single slot) - -76 - dBm @BER 0.1%	
2.402GHz (multi slot) - -76 - dBm @BER 0.1%	
2.441GHz (multi slot) - -76 - dBm @BER 0.1%	
RXsensitivity	
2.480GHz (multi slot) - -76 - dBm @BER 0.1%	
2.402GHz ≥-20 - dBm @BER 0.003%	
2.441GHz ≥-20 - dBm @BER 0.001% RXmax	
2.480GHz ≥-20 - dBm @BER 0.000%	

<i>Transmitter</i>
TX Output Power All -2 -1 0 dBm -6 to +4
Low -5.9 15 41.7 KHz
Med -11.5 18 45.4 KHz Initial Carrier Frequency
<i>Tolerance</i>
High -10 17 50.4 KHz -75 to +75
2.402 GHz - 844 – KHz
2.441 GHz - 904 – KHz
20dB Bandwidth for Modulated Carrier
2.480 GHz - 860 – KHz ≤1000

Ordering Information