

Bluetooth USB Adapter

Model: BT121A-USB



Product Specification

Ver1.0

Model Number	BT121A-USB
Descriptions	Bluetooth 1.2 Class 1 USB Adapter
Hardware Type	Broadcom BCM2035 B3 USB Ver1.1 Compliant
Bluetooth Spec. Compliance	Bluetooth 1.2
Throughput	721Kbps (Data Channels)
Operating Voltage	DC 5V
Power Consumption	TX: 170 mA RX: 110 mA
Regulatory Approval	FCC, CE, BQB
Radio Specifications	
Spread Spectrum	Frequency Hopping Spread Spectrum (FHSS) Compliant with FCC part 15
Frequency Rang	2.4 – 2.4835GHz (2.4GHz ISM Band)
Antenna Gain	2.95 dBi
Polarization	Linear
RF Channels	79 channels of 1MHz Bandwidth
Modulation	GFSK, BT = 0.28 ~ 0.35
Output Power	Class 1 > 10dBm, Max. Power: 16dBm
Receiver Sensitivity	-78dBm with BER < 0.1%
Max Input Level	-20dBm
Operation Temperature	-10°C ~ 50°C @ Humidity 10 ~ 90%
Storage Temperature	-40°C ~ 70°C @ Humidity 10 ~ 90%
Operating Range	Maximum distance: 200 meters in free space
Physical Specifications	
Dimension	60.0 × 24.4 × 14.4 mm (L × W × H)
Weight	10.44 g
Base Band	
Physical Links	Support of ACL link with data rate up to 721Kb/sec Support of SCO link
Network Capabilities	Support of Piconet point-to-point and point-to-multipoint connections
Security	Encryption, Authentication

Application	
Profile Support	Advanced Audio Distribution Bluetooth Image DUN-DT/GW Fax-DT/GW FTP-Client/Server HCRP-Client Headset-AG/HS HID-Host OPP-Client/Server PAN-AP/Group/User SPP-Dev A/ Dev B SDP Sync-Client/Server LAN-DT/GW Generic Access
Operating System Support	Windows 2000/XP