FireFly-BP Bluetooth RS232 Serial Adapter uses AAA Batteries

Part No: MPGC-WL-EB-BT-FIREBAT

Description:

FireFly-BP adds AAA battery capability to the FireFly Serial adapter- the world's smallest, lightest and most capable Class 1 Bluetooth serial adapter. **Batteries Not Included**

FireFly-BP uses the standard Bluetooth Serial Port profile and is compatible with all clients running under Windows™, PalmOS™, PocketPC™, Apple™, and other Bluetooth enabled platforms.

There are three ways to utilize FireFly BP:
1. Direct to a Bluetooth client: the client creates a SPP connection to the unit and uses a virtual COM style interface. Data is sent and received on the client exactly as if a serial cable was connected to a real COM port on the client.

2. Cable replacement: Pair two FireFly, or BlueportXP's, or FirePlug USB dongles with simple Dip switches.

3. MASTER mode. FireFly BP is configured to connect out over Bluetooth into a remote client or an access point or bluetooth server.

FEATURES:

- Soft button ON/OFF switch.
- Low battery monitor and LED indicator.
- Automatic shutoff (programmable) to conserve power.
- More than 10 hours of continuous connect time.
- accepts NiMH batteries, with on board charger.
- 5VDC charging jack (can also charge from pin 9).
- RS232 Male or Female DB9 Connector or
- Optional RS-422 Support.
- Very Low power, programmable discovery and Sniff modes(1-10ma standby, 5-30ma connected)
- Settings can be easily changed with AT commands via serial port and remotely over Bluetooth.
- Serial Port Baudrates from 1200 to 232K pbs, and non-standard values, defaults to 9600 or 115200 (dip switch).
- High Power (Class 1) 100Meter Bluetooth™ radio with integrated Antenna.
- 3 LEDs, Transmit/Received data, Power/Connection Status, Low/Full/Charge mode battery.

Serial Interface	
Data Rates	1200, 2400, 4800, 9600, 19.2k, 38.4k, 57.6k, 115.2k, 230k
Characters	7 or 8 Data Bits
Parity	odd, even, or none
Stop Bits	1 or 2
Control Signals	CTS, RTS
Flow Control	Hardware (RTS/CTS) or None
Connector	DB9 - DTE (male) or DCE (female)
Bluetooth Interface	
Protocol	Bluetooth Specification 2.0 (with high EDR data rate!), compatible with 1.1 and 1.2,
Connection Modes	Master, Slave, Instant Cable Replacement
Profiles	Serial Port Profile (SPP)
Security	FHSS (Frequency Hopping Spread Spectrum)
Radio	Class 1 Bluetooth (up to 100 meters)
Indicators (LEDs)	
• Transmit/Receive (TX/RX) Data • Power • Connection Status	
Power	
Input Voltage	4-14 VDC
External Power Supply Options	
• Pin 9 of serial DB9 connector - must be regulated to 4-11 VDC • **Wall Supply:** 5 VDC @ 1A, Plug size (1.3 x 3.5 x 9.5 mm) • USB Cable (draws power from USB Port)	
Power Consumption	Idle: 1-10 ma Connected: 30-50 ma
Environmental	
Operating Temp	-40° to 70°C - All components rated at this range or better.
Storage	-40° to 85°C (-40° to 185°F)

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