



## Class1 Bluetooth® RS232 Dongle



ARF62 dongles are wireless Bluetooth® Class1 network adaptors usable for **full duplex data transfer between Bluetooth® equipments over 150m.**

It uses the international 2.45 GHz frequency band as described by European Directive RTTE EN 300-220 / EN 301-489 and FCC P15 / IC (USA/CAN). These dongles integrate the **Bluetooth® V2 stack** and are **Bluetooth® certified.**

They enable fast file transfer (723 kbps) without any wires or dedicated software. Configuration can be carried out using **AT commands** through a serial port. They can be used in **command mode or transparent mode.** They take advantage of an extremely **compact design with a built-in antenna.** Depending on the version, they are available as ; DCE / DB9 female, DTE / DB9 male or DTE / DB15HD male.

These dongles are THE solution for wirelessly linking all devices designed to be connected to a laptop or desktop PC, through an RS232 DB9 or DB15 serial port. They are able to replace cables to build any connection between an RTC / GPRS modem and a PDA or between a PC and any Bluetooth® device.

## Specifications

- Bluetooth V2 stack
- Bit rate
- Comm and Data profiles
- UART TTL ports
- UART rate
- additional applications
- Using mode
- Frequency
- Radiated RF power
- Sensitivity
- Range in free field
- Operating voltage
- Stand-by unconnected consumption
- Connected consumption
- Transmission consumption
- Burst transmission consumption
- Power supply connector / DB9
- Power supply connector / DB15
- Temperature range
- Size
- **Fully compliant with RTTE EN 300-328 / EN 301-489 (Europe) & FCC P15 / IC (US & CAN)**

**Baseband, Link manager, L2CAP, RFCOMM, SDP**  
**723kbps**  
**GAP, SDAP, SPP, DUN, SPP config.**  
**TXD - RXD - RTS - CTS (& DTR - DSR - DCD - RI / Profil DUN)**  
**Standard from 9.6 to 115,2kbps**  
**Link setup and configuration - through AT commands**  
**Transparent serial link in addressed secured**  
**FHSS / 2.402 to 2.480GHz**  
**100mW (20dBm)**  
**To -87dBm for BER = 10<sup>-3</sup>**  
**150m (integrated antenna)**  
**3.8 to 20V**  
**22mA**  
**25mA**  
**60mA**  
**380mA**  
**Ø3.5 mm DC µJack (or / Pin 9 « RI » on request)**  
**Pin 13 « RI » (or / Ø3.5 mm DC µJack on request)**  
**-30°C / +70°C**  
**65 x 40 x 25 mm**

### Part Numbers

**ARF7501A** : Class1 Bluetooth® RS232 Dongle, DCE / DB9 female version  
**ARF7502A** : Class1 Bluetooth® RS232 Dongle, DTE / DB9 male version  
**ARF7503A** : Class1 Bluetooth® RS232 Dongle, DTE / DB15 male version

v1

Your distributor