



Class1 Bluetooth® to RS232 Dongle



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

They use 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 PSTN / 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 = 10⁻³

150m (integrated antenna)

3.8 to 20V

22mA

25mA

60mA

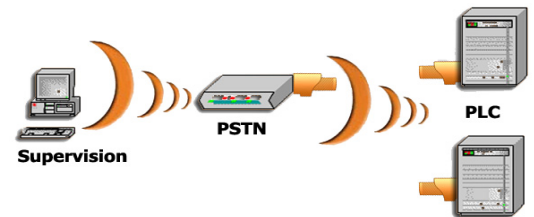
380mA

Ø 3.5 mm DC µJack (or / Pin 9 « RI » on request)

Pin 13 « RI » (or / Ø 3.5 mm DC µJack on request)

-30°C / +70°C

65 x 40 x 25 mm



Part Numbers

ARF7501B : Bluetooth® to RS232 Dongle, DCE / DB9F, + power supply

ARF7502B : Bluetooth® to RS232 Dongle, DTE / DB9M, + power supply

ARF7503C : Bluetooth® to RS232 Dongle, DTE / DB15M, selfpowered

ARF7509A : Cable replacement pack, 1 DCE / DB9F + 1 DTE / DB9M

10, 25, 50, 100 units Bulk packs available upon request

Your distributor