



Radio modem RS232/WIFI in IP65 box



The ARF42 radio modem is a **RS232/WIFI gateway** enabling two-way half duplex wireless data transmission over **200m**. It uses the **2.45GHz** world band according to the WIFI standard. It integrates a **radio transceiver, a digital processing unit and a wide power supply range** on the same board. It is available in an **IP65 enclosure** ready for approved use. Its integration offers the possibility of reducing R&D costs and eliminating all development risks. It enables **instantaneous cordless connection to a local network via a WIFI access point**, in **tertiary and industrial sectors of activity** such as the automobile industry, office automation, systems automation, industrial control ...

Specifications

RF

- Frequency **2.412 to 2.484GHz**
- Radiated RF power **32mW (+15dBm)**
- Sensitivity **-82dBm**
- Modulation **DSSS**
- Data rate **11Mbits/s**

Modem interface

- Wired transmission rate **2.4 to 921.6kBps**
- Serial ports **TxD, RxD**
- Flow control **RTS/CTS**
- Configuration **Through software**
- Modes **Transparent**

WIFI

- Network standard **802.11b**
- Security **WEP64, WEP128**
- Supported LAN protocols **TCP-IP, DHCP, BOOTP, ICMP**

Software configuration

- Operating system **Windows 2000, Windows XP**
- Display Resolution **800 x 600min**

General informations

- Supply voltage **8 to 30V**
- Rated consumption **313mA**
- Operating temperature **-20 / +70°C**
- Range **200m**
- Size **145 x 100 x 40mm**
- Packaging **IP65 box**
- Standards compliance **EN300-328**

Alternative versions

ARF7255B : Radio modem – IP65 box

Your distributor