

WBFM 434 MHz IP 65 low cost RS232 Radio Modem for short distance links

The ARF13 Radio Modem enables RS232 wireless data transmission at 9600 Bps. This equipment interfaces with any RS232 junctions as industrial data processing and programmable controller type. It behaves as two ways wire and half duplex virtual cable with exchange management and flow control. The applications range from point to point transmission of the telemeasurement type to constitution of cordless RS232 multipoint local area networks. It is available in the form of daughter board to be integrated on a mother PCB or ART approved complete modem.



Transmission

- Frequency: 433.9 MHz
- Power: 10 mW
- Modulation: 2FSK \pm 25 kHz
- Frame length: 24 bytes per full frame
- Consumption: 50 mA / 5 V

Receipt

- Frequency: 433.9 MHz
- Sensitivity: 2 μ V (-101 dBm)
- Bandwidth: 300 kHz
- Consumption: 25 mA / 5 V

Protocol

- Link: 9600 Bauds
– 8 bits – No Parity
- Flow control: Hardware RTS / CTS,
Software Xon / Xoff or
Without

Performances

- Range: 400 m free field /
100 m indoors
- Temperature: - 20 / + 70° C
- Daughter board Size: 64 x 87 x 20 mm
- Complete modem Size: 145 x 100 x 40 mm
(+170mm antenne)

Alternative versions

- ARF6513A: RS232 Radio Modem daughter board with + 12 / - 12 V link
- ARF6513B: RS232 Radio Modem daughter board with + 0 / 5 V link
- ARF6513C: approved complete RS232 Radio Modem, IP 65
- ARF6517Y: 9 male-female pin straight cable for IP 65 Radio Modem

Our local distributor: