



UHF Professional radio Modem

Up to 50 kms



The ARF73 modem provides data transmission for applications requiring very long distances or working in harsh environment.

With an adjustable power from 0,5W to 4W, this modem offers the advantages of strong professional radio features (robust radio link, security, licence,..) at a very competitive pricing. The ARF73 is available in a IP65 metal case, is ready to use, works from 400Mhz to 470Mhz and is EN300-113 certified. The setup and configuration are done using the standard AT commands.

The ARF73 is the perfect solution for connecting any RS232/422 device such as PLCs, displays, or terminals.

The quality and the robustness of the professional communications provided by the ARF73 are mandatory for secure long distance wireless connections used in site-to-site data transfert, urban traffic control, static roadsign management, nuclear site surveillance, crane control, pipeline information monitoring, military communication and many more....

Specifications

RF

- Programmable frequencies **400 to 470MHz (under licence)**
- Frequency stability **+/- 1kHz**
- Channel spacing **12.5kHz - 25kHz on demand**
- Air rate* **9600 bits/s**

Transmitter

- Modulation **GMSK BT=0,5**
- Output power* **0.5W to 4W (27dBm to 36dBm) - Software selectable**
- Output impedance **50 ohms**

Receiver

- Sensitivity **-115 dBm at 10-5 BER**
- Adjacent channel rejection **65dB typ.**
- Intermodulation **65dB**
- **Improved automatic frequency correction calculation (up to +/-3kHz)**

Interface

- Serial port **RS232 (RS422 & RS485 on demand)**
- Serial data rate **9600 / 19200 / 38400bps**
- Configuration **Via serial port - Through AT Commands (register programming)**
- Transmission modes **Transparent - Addressed - MOBITEX upon request**

General informations

- Supply voltage **10 to 28V**
- Transmission consumption **15VA (under 4W)**
- Reception consumption **2VA**
- Operating temperature **-30°C / +70°C (storage : -40°C / +85°C)**
- Packaging **IP65 box with TNC female antenna connector**
- Range **50km with provided antenna**
- Size / weight **710g - 169mm (h) x 100mm (w) x 55mm (d) + antenna**
- Standard compliance **EN300-113
EN301-489
EN60950**

* Other values available by serial programming

Part numbers

ARF7499B: RS232 modem in IP65 box

Your distributor