Wireless communication interfaces

ARF868 Modem

The solution for

> Industry
> Building
> Infrastructure
> Local authority

Strong points

> Sensitivity, transmission/
  reception quality
> Ease of installation
> Long range
> Several types of
  communication

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Function

ARF868 wireless modems convert data from a serial link into a wireless frame to send to a similar device in the frequency range 863-870 MHz. The power and sensitivity allow the data to be transmitted over distances of up to 20 km.

Advantages

Sensitivity, transmission/reception quality
• Power 25 mW or 500 mW at 868 MHz.
• Licence-free frequencies on European bands (863 - 870 MHz) or frequencies subject to license (410 - 470 MHz).

Ease of installation
• Quick installation.
• User-friendly and configuration with intuitive software.
• The product can be configured as a transmitter, receiver or repeater.

Long range
• 1 to 20 km.

Several types of communication
• RS485, RS232 or USB serial port.

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Accessories

- 1-, 3- and 5-metre remote antenna.
- Antenna mount & adaptor.
- Power supply unit + connector (required).
- TNC converter pack.
- Sub D9 connector.
- IP53 and IP67 ingress protection rating.

Specifications

	Modem ARF868 (transmitter/repeater/receiver model)
Scope	Up to 1/4/7/20 km according to model
Wireless frequencies	863-870 MHz
Interfaces	
Inputs	-
Communication	RS232 - RS485 - USB optional
Alerts	-
Storage capability	-
Compatibility	-
General characteristics	
Dimensions W x H x D	135 x 75 x 35 mm
Operating temperature	-30 … +70°C
Power supply	4.5 … 36 V
Protection degree	IP53, IP67 (optional)
Standards	EN300-220 V2010 / EN301-489 / EN 60950

References

ARF868 wireless modem

	Reference
Modbus wireless modem, distance 20 km	4854 0050
Modbus wireless modem, distance 7 km	4854 0051
Modbus wireless modem, distance 4 km	4854 0052
Modbus wireless modem, distance 1 km	4854 0053
Accessories for ARF868 wireless modem	**Reference**
Power supply (mandatory)	4854 0202
RS232/USB cable (mandatory to configure ARF868 wireless modems)	4854 0400
0.1 dB remote antenna + 3 m extension	4854 0122
1.5 dB remote antenna + 5 m extension	4854 0123
Wall bracket for remote antenna	4854 0124
IP67 protection	4854 0301