

# SRF868

## INDUSTRIAL 868 MHz RF MODEM

The Symmetron SRF868 is an RF modem operating at the 868 MHz, license-free ISM band.

The SRS868 is able to replace wired RS-232 and RS-485 networks (MODBUS RTU, etc).

### BENEFITS

- Built-in RS-232 interface with selectable settings (flow control, baud rate etc.).
- Built-in RS-485 interface with selectable baud rate.
- Wireless MODBUS RTU,
- Programmable locally or remotely via AT commands.
- Transmit/Receive LED indicators.
- Compatible with practically any serial RS-232/RS-485 device.
- Compatible with Stylitis data loggers
- Detachable antenna included.
- AES128 data encryption possible.



SRF868 RF modem with Stylitis-12 data logger

### SPECIFICATIONS

- RF SUB-BAND: User-selectable
- RF CHANNEL: User-selectable
- RECEIVER SENSITIVITY: -109 dbm
- RF baud rate: 4800 ~ 57600/115200
- TRANSMITTER OUTPUT POWER:
  - SRF868-025: User-selectable, up to 25mW (+14 dbm), up to 2 km range.
  - SRF868-500: User-selectable, up to 500mW (+27 dbm), up to 10 km range.
  - No license is required.
- POWER SUPPLY (5 ~ 30 VDC):
  - SRF868-025: Receiving <0.15W, Transmitting <0.2W
  - SRF868-500: Receiving <0.15W, Transmitting <1.8W
- CONNECTION:
  - RS-232: DB9 female connector
  - RS 485: Screw terminals
  - Serial baud rate: 300 ~ 115200
  - Power supply: screw terminals
  - Antenna: female SMA connector
- ENCLOSURE: ABS DIN rail mount 90.20 x 57.50 x 36.30 mm.
- PROTECTION: Inverse supply voltage.
- OPERATION TEMPERATURE: -40° ~ +70°
- WARRANTY: 2 years.

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### Order codes

- SRF868-025:  
002.012.0008
- SRF868-500:  
002.012.0001



Τηλ: 2106034002

Fax: 2106034003

<http://www.symmetron.gr>

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