RF MODEM & WDAS Common Specifications

RF Features
- Frequency: 433MHz with 25KHz Channel Spacing
- Transmitter Power: 10mW
- Receiver Sensitivity: -116 ~ -120dBm (-116dBm Typ)
- Modulation: FSK
- Bandwidth: < 14KHz

Appearance Specifications
- Operation Temperature: -10°C ~ +50°C
- Housing: Aluminum
- Reverse Power/Overvoltage/Overcurrent Protection

Performance
- Expected Line-Of-Sight Range: Up To 1.5km with λ/4 Dipole Antenna
- RF Data Rate: 4800 Baud, 7200 Baud

Application
- Environment Monitoring, Factory Automation, Remote Control, etc.

I/O Interface
- Serial Data
  - RS232/RS485 Selectable
  - Serial Communication Basic Setting (User Selectable):
    - Data 8 Bit, No Parity, 1 Stop Bit
  - User Selectable Baud Using DIP Switch:
    - 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 Baud
  - 9Pin D-SUB Female Connector

Certification
- CE
Wireless Data Acquisition and Control Device, WDAS

W210A

I/O Interface
- **Analog Input**
  - 2 Ch. Analog Input, with 16Bit Resolution: 0~5V, 0~10V, 4~20mA
  - User Selectable Input Type: Current or Voltage

Certification
- CE

W110A

I/O Interface
- **Serial Data**
  - RS232
  - Serial Communication Basic Setting (User Selectable):
    - Data 8 Bit, No Parity, 1 Stop Bit
  - User Selectable Baud Using DIP Switch:
    - 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 Baud
  - 9Pin D-SUB Female Connector

- **Digital Input**
  - 8 Ch. Opto-Isolated Input: Up To 2500Vrms
  - Max. 50mA for Each Channel

- **Digital Output**
  - 8 Ch. NPN Open Collector Output
  - Max. 50V and 500mA for Each Channel

- **Analog Input**
  - 5 Ch. Analog Input, with 10Bit Resolution:
    - 0~5V, 0~10V, 4~20mA
  - Ch. #0: Voltage Input
  - Ch. #1~#3: User Selectable Input Type: Current or Voltage
  - Ch. #4: Current Input
Wireless Data Acquisition and Control Device, WDAS

W310A

I/O Interface

■ Digital Input ■
- 8 Ch. Opto-Isolated Input: Up To 2500Vrms
- Max. 50mA for Each Channel

■ Digital Output ■
- 8 Ch. NPN Open Collector Output
- Max. 50V and 500mA for Each Channel

Certification
- CE

W410A

I/O Interface

■ Digital Input ■
- 4 Ch. Opto-Isolated Input: Up To 2500Vrms
- Max. 50mA for Each Channel

Certification
- CE
W510A

I/O Interface
- Analog Output
  - 2 Ch. Analog Output, with 16Bit Resolution: 0~5V, 0~10V, 4~20mA
  - User Selectable Output Type: Current or Voltage

Certification
- CE

RF REPEATER

R110A

- Repeater
- Certification
- CE