

ARF51-PRO

Digital + Analog I/O modules

Highlights

- 2 Analog I/O
- 4 Digital I/O
- Range up to 20km (2.4kbps @27dBm)
- 4 pre-programmed modes
- Configuration through dedicated software
- DIN-rail housing



The ARF51-PRO is a 4 I/O (input/output) AON + 2 I/O analog module that acquires data coming from sensors, contacts or counters to control remote equipment.

Integrating an high performance Adeunis RF radio module, the ARF51-PRO can design unique solutions to connect, or to measure wireless I/O over long distances (up to 20km) or in disturbed industrial environments.

Flexible, it has 4 intelligent pre-programmed modes.

- Mirror: for point to point applications
- Peer-to-peer: for point / multipoint applications
- Trigger: for relaying alarm applications
- Modbus: return a global view of the system and control / command the system's I/O

Performances

Range : up to 20km
Power : 500mW
RF radiated power : 27dBm
Sensitivity : -120dBm (BER10-3)
Frequencies : 863-870MHz
RF data rates : 2.4 to 57.6kbps

Local Input/output

2 analog 12-bit inputs (0/20mA current or 0/10V voltage)
2 analog 12-bit outputs (0/20mA current or 0/10V voltage)

References

- **ARF8029BA** ARF51-PRO RF I/O MODULE

All these features make it a unique wireless offset solution perfectly suited to meet the requirements of industrial applications (remote management, maintenance, monitoring ...).

4 digital 0/40V NPN inputs
4 digital 0/40V PNP outputs
Refreshing I/O rate: starting at 100ms

Hardware

Connexion to the supervisor : RS485
Configuration : through USB
Serial flow or throughput: 9.6 or 57.6kbps

Firmware

Bus : RTU Modbus

Consumption & needs

Operating voltage : 10 / 36Vd

General information

Dimensions : 105 x 91 x 60mm
DIN-Rail housing
Operating temperature : -10°C to +70°C