

AdvanReader-50™

2-port RFID UHF reader



Product overview

AdvanReader-50 is a 2-port, high power, high performance UHF reader ideal for a wide range of applications.

AdvanReader-50 can become your own reader: your company logo can be the only logo on the enclosure.

A single AdvanReader-50 unit can control up to 8 antennas. This is achieved by connecting AdvanReader to two AdvanMux-4 (4-port multiplexer).

AdvanReader-50 can also be connected to AdvanPhaser (phase shifter) in order to control electronically the beam orientation of directive antennas, which allows to obtain higher read-rate.

AdvanReader-50 features the following power supply and communications interface:

- Powered through 24 V (DC)
- Data interface through Ethernet

AdvanReader-50 can also power on external devices:

- Non-isolated power output to power on external devices: 5 V, 200 mA (DC)

AdvanReader-50 features the following inputs and outputs:

- 2 non-isolated bidirectional digital input or output lines
- Outputs for connecting other Keonn products (AdvanMux, AdvanPhaser, ...)
- Output for an external "power on" indicator
- Output for an external "RF Tx Data" indicator
- Output for an external "RF Rx Data" indicator

AdvanReader-50 includes several actuators and indicators on-board:

- On-board buzzer
- On-board LED indicators for: power on (white), RF Tx (green), RF Rx (red), GPIO sub-system indicator (blue), etc.



Benefits:

- High-performance: high output power and high sensitivity
- You can make it your own reader by putting your company logo on the enclosure
- Reduces time and cost of developing RFID systems
- Can control up to 8 antennas by using it in combination with AdvanMux multiplexer
- Can be connected to AdvanPhaser phase shifter, to control electronically the beam orientation of directive antennas
- Two bidirectional digital inputs and outputs
- On-board buzzer
- Multiple LED indicators

Applications:

- Desktop reader
- Point of Sales
- Check-in and check-out
- In general, any RFID application

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