

# AdvanReader-100™

## 4-port ultra-flexible RFID UHF reader



### Product overview

AdvanReader-100 is a 4-port, high power, high performance UHF reader with a wide set of input and output connections that make it the most flexible reader in the market.

AdvanReader-100 can become your own reader: your company logo can be the only logo on the enclosure. Your customers will think that it has been developed by your company.

A single AdvanReader-100 unit can control up to 1.024 antennas. This is achieved by connecting AdvanReader to AdvanMux-4 (4-port multiplexer), AdvanMux-8 (8-port multiplexer), AdvanMux-12 (12-port multiplexer) or AdvanMux-16 (16-port multiplexer). This reduces the cost of RFID applications that need a large number of antennas.

AdvanReader-100 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-100 is very flexible in terms of power supply and communications interface:

- Powered through PoE or 24 V (DC)
- Data interface through Ethernet, Wifi or serial

AdvanReader-100 can also power on external devices:

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

AdvanReader-100 is also very flexible in terms of inputs and outputs:

- 8 optically isolated digital input lines
- 8 optically isolated digital output lines
- Output for a 2 watt loudspeaker
- Outputs for connecting other Keonn products (AdvanMux, AdvanPhaser, ...)
- Output for an external "Power on" indicator
- Output for an external "Ethernet linked" indicator
- Output for an external "Ethernet activity" indicator
- Output for an external "Wifi status" indicator

AdvanReader-100 includes several sensors, actuators and indicators on-board:

- On-board light sensor
- On-board humidity sensor
- On-board buzzer
- On-board LED indicators for: power on, Ethernet linked, Ethernet activity, Wifi status, serial data in, serial data out, digital output lines, digital input lines, 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
- Highest flexibility
- Reduces time and cost of developing RFID systems
- Can control up to 1.024 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
- Direct serial connection to an embedded computer
- Direct connection to an external loudspeaker
- Multiple digital inputs and outputs
- On-board buzzer, light sensor and humidity sensor
- Multiple LED indicators

### Applications:

- Smart shelves
- Smart surfaces
- RFID portals
- RFID tunnels
- Point of Sales
- Loss prevention systems
- In general, any RFID application

**ACURA Global**

Distributor  
Reginata Ducca, 73, S. B. do Campo, SP  
09626-100. Brasil.

Tel: +55 11 3028-4600  
acura@acura.com.br  
www.acura.com.br