AdvanGPIO-200™
Connection board for connecting external devices to Keonn readers

Product overview

AdvanGPIO-200 is a **connection board** that facilitates connecting **external devices** to Keonn RFID readers.

Such devices can be light/sounder devices such as tower LEDs and buzzers, and many industrial systems.

The connection is done through the GPIO (General Purpose Input Output) of AdvanReader-60 and AdvanReader-150.

AdvanGPIO-200 allows to connect any device that works from 12 V to 24 V and that has a maximum consumption of 750 mA.

Benefits:

- Fast and easy connection
- Allows to control light/sounder devices with Keonn's readers
- Allows to connect industrial devices to Keonn's readers
- Compatible with most stack lights
- Wide input voltage range

Technical data

Data input connectors	• RJ45 connector • 4 x GPI lines • To be connected only to AdvanReader or AdvanReader systems ADMX connectors. • See Table 1 for connector pin-out.
Data output connectors	• RJ45 connector • 4 x GPO lines to drive 4 sounders / lights • Output current for GPO line is limited to 500 mA • Output current is limited to 750 mA overall • To be used to drive Alarm Boxes / Signaling Tower systems • See Table 2 for connector pin-out.

Power supply	24 V in connector: sealed power jack for 9 - 24 V in.
	    • Compatible with SWITCHCRAFT L712RA jack connector.
	    • Maximum rating is 30 V.

Current consumption	< 31 mA Internal consumption without adding the Alarm Box consumption
LED indicators	4 x SMD LED indicators for the status (high/low) of the input lines.
Power on indicator	White SMD LED
Weight	115 g (4.1 oz)
Outline dimensions	85 mm x 73.5 mm x 27.3 mm (3.35 in x 2.90 in x 1.07 in)
Operating temperature	-40 °C to 55 °C (-40 °F to 131 °F)
Storage temperature	-40 °C to 55 °C (-40 °F to 131 °F)
EU Directives	RoHS compliant (2002/95/EC), EMC (2004/108/EC)

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IN connector pin-out

Pin	Name	Value
1	GPO-0	Bit #0 from RFID reader output
2	GPO-1	Bit #1 from RFID reader output
3	GPO-2	Bit #2 from RFID reader output
4	VCC-1	Reader Vcc (+5 V)
5	VCC-2	Reader Vcc (+5 V)
6	GPO-3	Bit #3 from RFID reader output
7	GND-1	GND
8	GND-2	GND

Table 1

OUT connector pin-out

Pin	Name	Value
1	Vcc-1	Vin
2	Vcc-2	Vin
3	GPO-0	0 – Vin (depending on the value of Bit #0)
4	GPO-2	0 – Vin (depending on the value of Bit #2)
5	GPO-1	0 – Vin (depending on the value of Bit #1)
6	GND-1	GND
7	GPO-3	0 – Vin (depending on the value of Bit #3)
8	GND-2	GND

Table 2

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Mechanical specifications
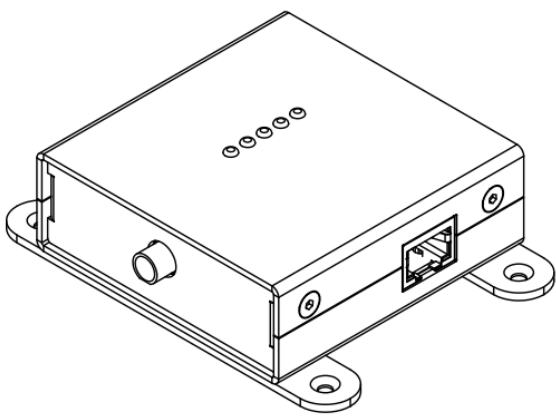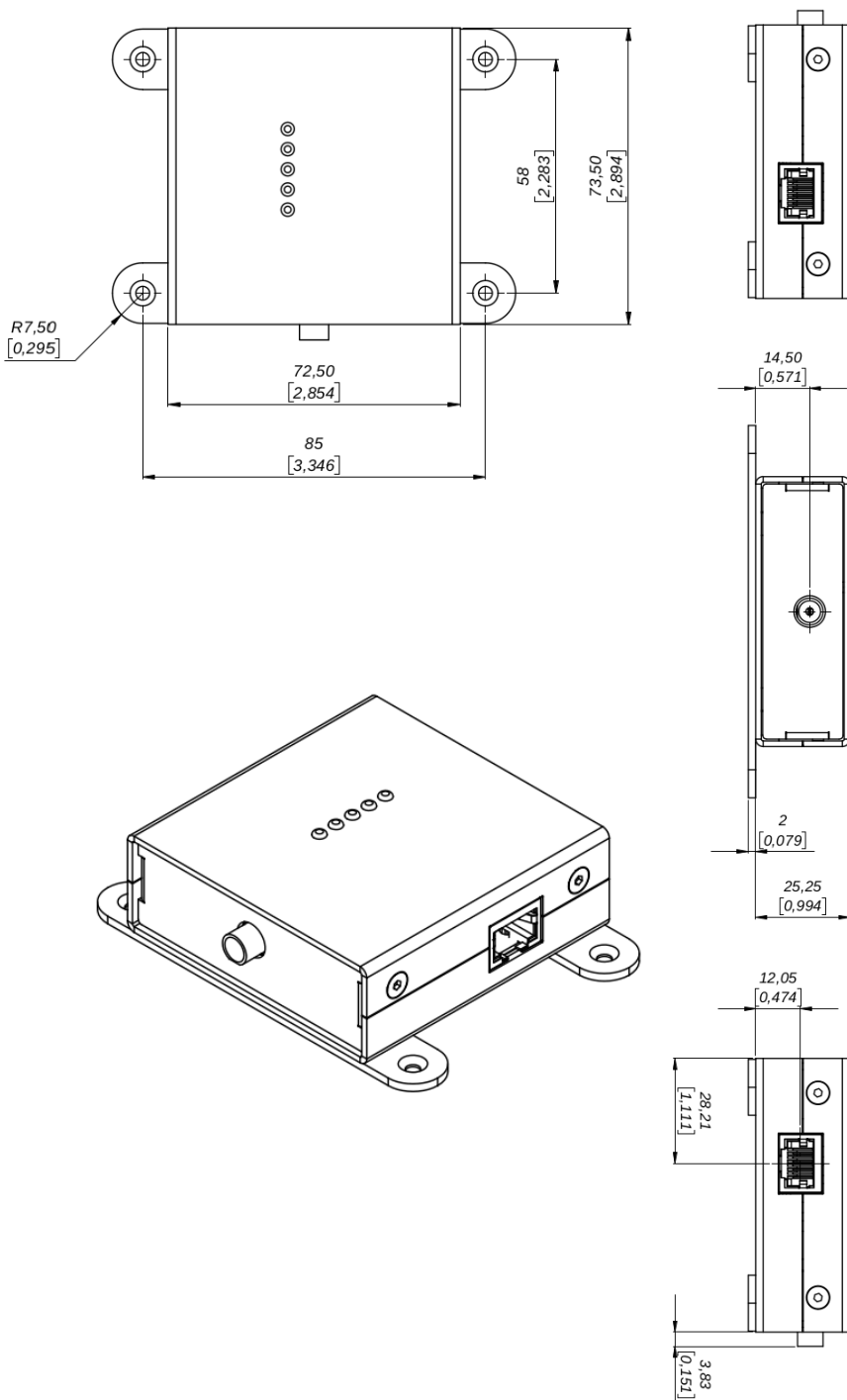
24 V

GPO1
GPO2
GPO3
GPO4
ON

OUT

IN

R7,50
[0,295]

72,50
[2,854]

85
[3,346]

58
[2,283]

73,50
[2,894]

14,50
[0,571]

2
[0,079]

25,25
[0,994]

12,05
[0,474]

28,21
[1,111]

3,83
[0,151]

All sizes in mm

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Product codes for ordering

ADGP	-	mmm	
			Model
		200	Model number

Examples:
- **ADGP-200:**
    - AdvanGPIO
    - Model **200**

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