AdvanGPIO-200

Data sheet

Version**: 1.0**

Date: **29th April 2018**

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Change Document Record

Date	revision	Changes
29th April 2018	1.0	Initial version of the document

Products Covered in this Datasheet

This guide pertains to AdvanGPIO™ that have the following part numbers:

AdvanGPIO-200.01

1- Datasheet

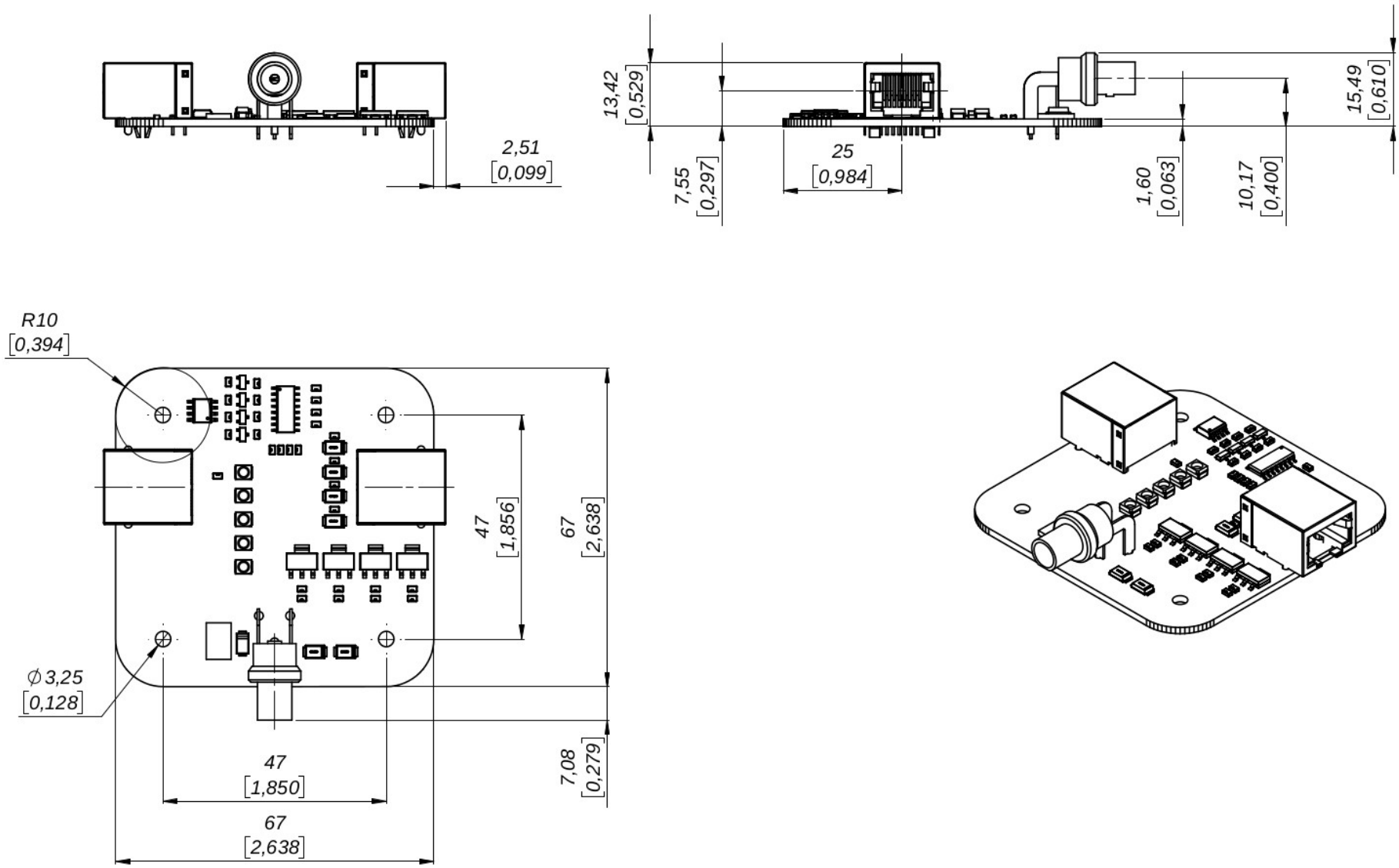
1.1- Technical data

Specifications Table	
Inputs	Data IN connector • RJ45 connector • 4 x GPI lines • To be connected only to AdvanReader or derived AdvanReader systems ADMX connectors. • See appendix I for connector pin-out.

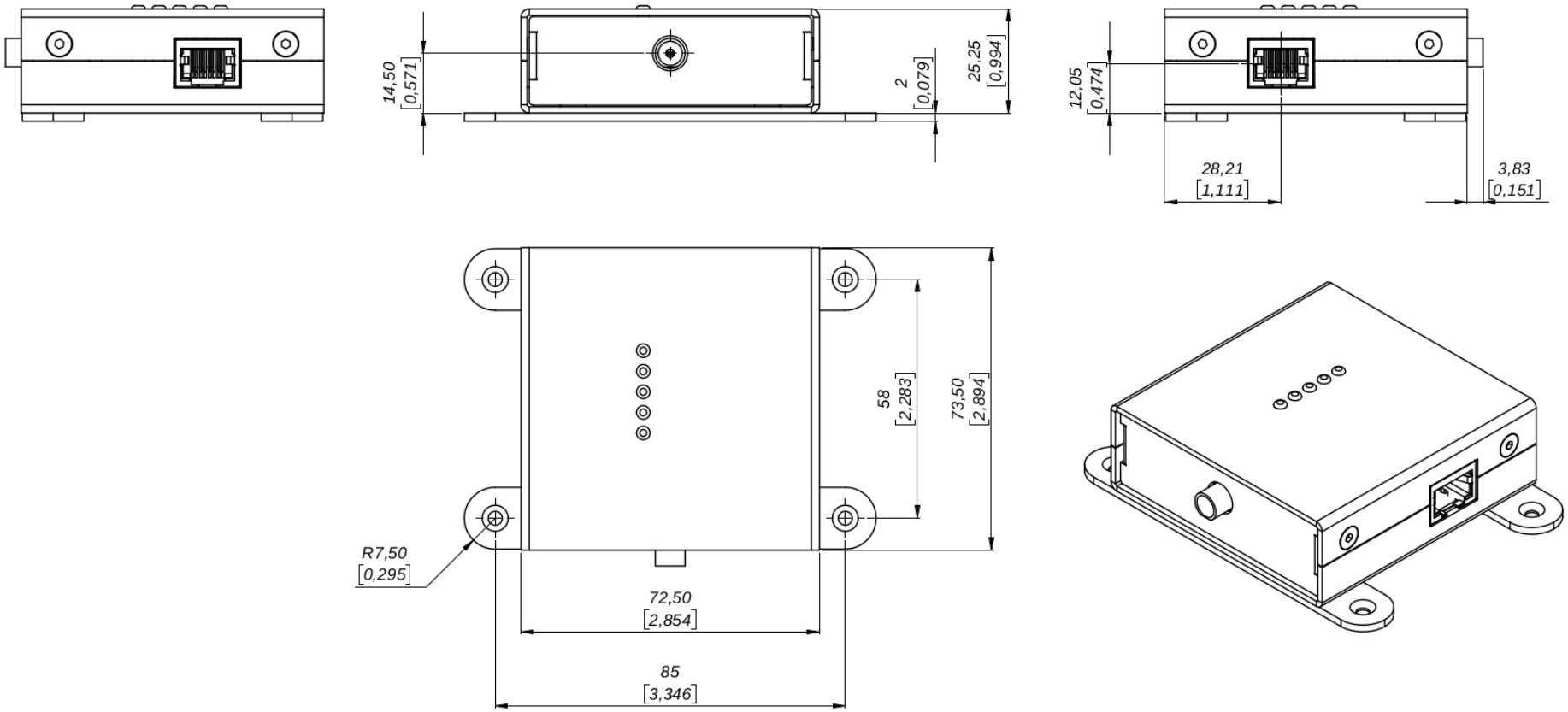
Outputs	Data OUT connector
	• RJ45 connector
	• 4 x GPO lines to drive 4 sounders / lights
	  ◦ Output current for GPO line is limited to 500 mA
	  ◦ Output current is limited to 750 mA overall
	• To be used to drive Alarm Boxes / Signaling Tower systems
	• See appendix II for connector pin-out.

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 indicarors	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)
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)

1.2- Mechanical specifications



Drawing 1: AdvanGPIO-200 Mechanical Specification. All sizes in mm

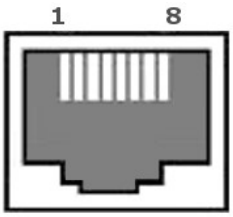


Drawing 2: AdvanGPIO-200 (case) Mechanical Specification. All sizes in mm

1.3- Connector pin-outs

IN connector pin-out

RJ45 connector pin-out.



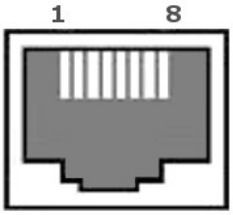
Reader connector: RJ45 female control connector pin-out.

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: IN connector pin-out

OUT connector pin-out

RJ45 connector pin-out.[1]



AdvanMux connector: RJ45 female control 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: OUT connector pin-out

1 *GPO-0 can optionally be grounded*