

16IO

IO interface card

Features of the board are:

16IO digital

0-16 Inputs DC/AC

0-16 Output DC/AC

Optional connection for DIN rail

Power supply 7-40V DC / 9-28V AC

Optional DC power supply 7-60V / 9-42V AC

PCB size 203 x 107.5 mm

Weight ~200g

JP1 screw terminal block 2 poles → Input V AC

Pin 1 V AC 1

Pin 2 V AC2

JP2 screw terminal block 2 poles → Output V DC / Input V DC

Pin 1 +VIN / +VOU**T**

Pin 2 GND

optional

JP3 screw terminal block 2 poles → Output + 5V DC

Pin 1 +5V DC

Pin 2 GND

optional

JA IDC female connector contacts male 20-pin (10x2) 2,54mm → IO

Pin 1 IO0

Pin 2 IO1

Pin 3 IO2

Pin 4 IO3

Pin 5 IO4

Pin 6 IO5

Pin 7 IO6

Pin 8 IO7

Pin 9 IO8

Pin 10 IO9

Pin 11 IO10

Pin 12 IO11

Pin 13 IO12

Pin 14 IO13

Pin 15 IO14

Pin 16 IO15

Pin 17 GND

Pin 18 GND

Pin 19 +5V_INT

Pin 20 +VAUX_INT

JB IDC female connector contacts male 20-pin (10x2) 2mm → IO

Pin 1 GND
Pin 2 +5V_INT
Pin 3 IO0
Pin 4 IO8
Pin 5 IO1
Pin 6 IO9
Pin 7 IO2
Pin 8 IO10
Pin 9 IO3
Pin 10 IO11
Pin 11 IO4
Pin 12 IO12
Pin 13 IO5
Pin 14 IO13
Pin 15 IO6
Pin 16 IO14
Pin 17 IO7
Pin 18 IO15
Pin 19 +5V_INT
Pin 20 GND

optional

JC screw terminal block 2 poles → Input GND

Pin 1 GND
Pin 2 GND

optional

JD screw terminal block 2 poles → Input +5V DC

Pin 1 +5V_EXT
Pin 2 +5V_EXT

optional

JE screw terminal block 2 poles → Input +VAUX DC

Pin 1 +VAUX_EXT
Pin 2 +VAUX_EXT

Jx screw terminal 3-pole → as output

x=1-16

Pin 1 Kx_NO
Pin 2 Kx_COM
Pin 3 Kx_NC

Jx screw terminal 3-pole → as input

x=1-16

Pin 1 INx_A
Pin 2 INx_B
Pin 3 INx_B

Jx Morsettiera a vite 3 poli → come ingresso AC

x=1-16

Pin 1 INx_AC1

Pin 2 INx_AC2

Pin 3 INx_AC2

JM1 Jumper smd 2 poli → Settaggio +5V

Pin 1 +5V

Pin 2 +5V_EXT

JM2 Jumper smd 2 poli → Settaggio +5V

Pin 1 +5V

Pin 2 +5V DC

JM3 Jumper smd 2 poli → Settaggio +5V

Pin 1 +5V

Pin 2 +5V_INT

JM4 Jumper smd 2 poli → Settaggio +VAUX_BUS

Pin 1 +VAUX_BUS

Pin 2 +5V

JM5 Jumper smd 2 poli → Settaggio +VAUX

Pin 1 +VAUX

Pin 2 +VAUX_EXT

JM6 Jumper smd 2 poli → Settaggio +VAUX

Pin 1 +VAUX

Pin 2 +5V DC

JM7 Jumper smd 2 poli → Settaggio +VAUX

Pin 1 +VAUX

Pin 2 +VAUX_INT

JM8 Jumper smd 2 poli → Settaggio +VAUX_BUS

Pin 1 +VAUX_BUS

Pin 2 +VAUX

Opzionale

RV1 Trimmer → Regolazione +V DC

D2, D7, D12, D33, D38, D43, D48, D53, D58, D60, D62, D64, D66, D68, D70, D72 LED
State inputs (1-16)

D5, D10, D15, D36, D41, D46, D51, D56, D73, D74, D75, D76, D77, D78, D79, D80 LED
State outputs (1-16)

D306 LED
+VIN / +VOUT → JP2

D307 LED
+5V DC

D308 LED
+5V

D309 LED
+VAUX