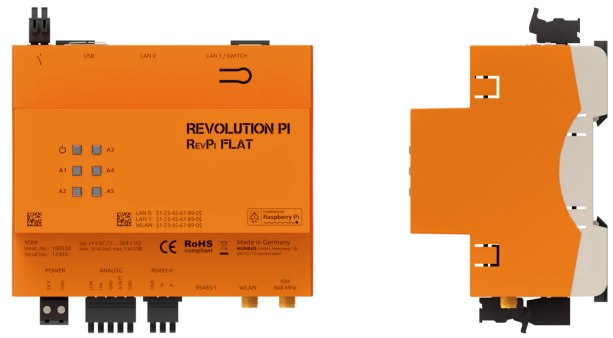


REVOLUTION PI

RevPi Flat

Article No.: 100330



Technical Data

Housing dimensions (H x W x D)	90 x 106 x 70 mm
Housing type	DIN rail housing (for DIN rail version EN 50022)
Housing material	Polycarbonate
Weight	approx. 248 g
IP Code	IP20
Power supply	typ. 24 V DC (12.0 ... 28.8 V DC), reverse polarity protected
Max. power consumption	16 W (incl. max. 5 W USB)
Operating temperature	-20 °C +55 °C
Storage temperature	-40 °C +85 °C
Humidity (at 40 °C)	93 % (non-condensing)
Interfaces	4 x RJ45 10/100 Ethernet, two separate MAC addresses for LAN0 & LAN1 LAN0: 1 x Ethernet LAN1: 3 x Ethernet switched 2 x USB A (total current draw from all sockets max. 1 A) , 2 x RS485 max. 500 kbps, galvanically isolated, termination switchable by software 1 x RP-SMA jack WLAN 1 x SMA jack ISM 868 MHz
Connectors	2-, 3- and 5-pole screw/spring-loaded terminal
Processor	Broadcom BCM2837B0 quad-core ARM Cortex A53
Clock rate	1.2 GHz
Processor cooling	Passive with heat sink
RAM	1 GB
Flash memory	8 GB
Number of digital output channels	1
Digital output type	potential-free relay contact
Maximum current output channel	2 A @ 30 V DC
Number of analog input channels	1
Analog input type	0-10 V DC or 0-20 mA, single ended, 16-bit at piControl, 21-bit raw value
Number of analog output channels	1
Analog output type	0-10 V DC, short-circuit proof, protection against backfeeding, 12-bit resolution, gain error 3% of measured value, offset error +- 50 mV
Maximum current load of the analog output	10 mA (10 V DC @ 1 k)
Software interface of inputs and outputs	Via GPIOs and process image
EMC interference emission	according to EN 61000-6-4
EMC immunity	according to EN 61000-6-2
Buffer time RTC	min. 24 h
Optical indicator	6 status LEDs (bi-color), five of them freely programmable
RoHS conformity	Yes
CE conformity	Yes