Technical Data

RevPi Connect 4

Housing dimensions (H × W × D)	96 × 45 × 110.5 mm
Housing type	DIN rail housing for TH35 mounting rail according to DIN EN 60715
Housing material	Polycarbonate
Weight	Approx. 197 g / 224 g (incl. connectors)
Protection class	IP20
Power supply	Typ. 10.8 … 28.8 V DC[1]
Maximum power consumption	20 W (incl. 2 × 800 mA USB load)[2]
Approved operating temperature	-25 … +55 °C
Approved storage temperature	-40 … +85 °C
Max. relative humidity (at 40 °C)	93 % (non-condensing)
Interfaces	• 2 × USB A 3.2 Gen 1 • 2 × RJ45 Gbit Ethernet • 1 × RS485 screw-type terminal • 1 × Micro-USB (solely for image transfer to eMMC) • 1 × Micro-HDMI 2.0a (4K) • 2 × PiBridge (connectors at left and right side) • 1 × RP-SMA socket for WLAN 2.4/5 GHz, BLE 5.0 (Item No.: 100377, 100379, 100380)
Connectors	• 1 × 4-pole screw-type terminal for RS485 • 1 × 4-pole screw-type terminal for relay contact and signal input • 1 × 4-pole screw-type terminal for power supply
Compute Module	Raspberry Pi Compute Module 4
Processor	Broadcom BCM2711, quad-core Arm Cortex-A72
Clock rate	1.5 GHz
Processor cooling	Passive with heat sink

RAM	2 GB LPDDR4 (Item No.: 100376, 100377), 4 GB LPDDR4 (Item No.: 100378, 100379), 8 GB LPDDR4 (Item No.: 100395, 100380)
Flash memory	8 GB (Item No.: 100376, 100377), 32 GB (Item No.: 100378, 100379, 100395, 100380)
Trusted Platform Module	TPM 2.0 Infineon OPTIGA™ TPM SLB 9670
WLAN / BT	• 1 × RP-SMA socket (WLAN 2.4 / 5 GHz, BT 5.0 (BLE)) (Item No.: 100377, 100379, 100380) • WLAN: ◦ at 2400 … 2483.5 MHz ≤ 20 dBm ◦ at 5150 … 5350 MHz ≤ 23 dBm (EU: For indoor use only) ◦ at 5470 … 5725 MHz ≤ 23 dBm • BT: at 2402 … 2480 MHz ≤ 10 dBm
Number of digital inputs	1
Digital input type	24 V DC control voltage (e.g. for power-good signal of a UPS)
Input threshold	Approx. 10 V DC (0 → 1) or 7 V DC (1 → 0); input current 2.4 mA (according to IEC 61131-2)
Number of digital outputs	1
Output type	Opto-decoupled solid state relay, normally open, max. 30 V, 300 mA DC, any polarity
Software interface of input and output	Via GPIOs and process image
Hardware watchdog	Watchdog in RTC device, freely configurable watchdog character device
Compatible RevPi modules	• All RevPi I/O modules can be connected via the PiBridge system bus. • Up to 5 modules can be connected to the left and right side of the device.
EMC interference emission	According to IEC 61000-6-4 (emission standard for industrial environments)
EMC immunity	According to IEC 61000-6-2 (immunity standard for industrial environments)
RTC buffer	CR2032 lithium battery, lifetime approx. 10 years
Optical display	6 status LEDs; 5 × red/green/blue (freely programmable), 1 × red/green
Conformity	CE, UKCA
UL certification	UL File No. E494534 **NOTE:** The device may only be supplied from circuits that comply with Class 2 or Safety Extra Low Voltage (SELV) according to Class 9.4 of UL 61010-1.

Variants

Item No.:	RAM	eMMC	WLAN
100376	2 GB	8 GB	–
100377	2 GB	8 GB	✔
100378	4 GB	32 GB	–
100379	4 GB	32 GB	✔
100395	8 GB	32 GB	–
100380	8 GB	32 GB	✔

https://revolutionpi.com/shop/en/revpi-connect4

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Errors and omissions excepted.

[1] The bridging time required by EN 61131-2 for voltage dips of at least 10 ms and the maximum USB output current are only guaranteed with a supply voltage of 24 V DC -15 % / +20 %.

[2] The average power consumption without USB load varies greatly and depends on the use of the interfaces, GPU, and CPU. It is usually well below 4 W without HDMI.