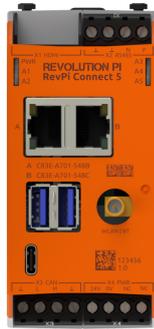
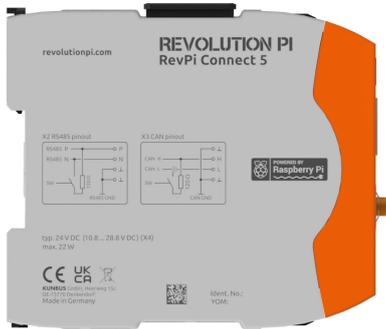


# Technical Data

## RevPi Connect 5



Housing dimensions (H × W × D)	96 × 45 × 115 mm (incl. RP-SMA socket)
Housing type	DIN rail housing for TH35 according to DIN EN 60715
Housing material	Polycarbonate
Weight	Approx. 290 g (incl. connectors)
Protection class	IP20
Power supply	Typ. 24 V DC (10.8 ... 28.8 V DC) <sup>[1]</sup>
Maximum power consumption	22 W (incl. 2 × 900 mA USB load) <sup>[2]</sup>
Approved operating temperature	-25 ... +60 °C <sup>[3]</sup>
Approved storage temperature	-40 ... +85 °C
Max. relative humidity (at 40 °C)	93 % (non-condensing)
Interfaces	<ul style="list-style-type: none"> <li>• 0 / 1 × RS485 (see Variants)</li> <li>• 0 / 1 / 2 × CAN (see Variants)</li> <li>• 2 × RJ45 Gbit Ethernet</li> <li>• 1 × RP-SMA socket for WLAN + BT (see Variants)</li> <li>• 2 × USB A 3.2 Gen 1</li> <li>• 1 × USB-C (solely for image transfer to eMMC)</li> <li>• 1 × Micro-HDMI 2.0a (4K)</li> <li>• 2 × PiBridge (connectors at the left and right side)</li> </ul>
Connectors	<ul style="list-style-type: none"> <li>• 1 × 4-pole screw-type terminal (X2 connector) for RS485 (see Variants)</li> <li>• 1 × 4-pole screw-type terminal (X2 and X3 connector) for CAN (see Variants)</li> <li>• 1 × 4-pole screw-type terminal (X4 connector) for power supply</li> </ul>
Processor	Broadcom BCM2712, quad-core Arm Cortex-A76
Clock rate	2.4 GHz
Processor cooling	Passive with heat sink

RAM	4 / 8 GB LPDDR4 (see Variants)
Flash memory	32 GB
Trusted Platform Module	TPM 2.0 Infineon OPTIGA™ TPM SLB 9670
RS485	<ul style="list-style-type: none"> <li>• Data rate: max. 921 600 baud</li> <li>• Electrically isolated</li> <li>• Termination resistor controllable via software</li> </ul>
CAN	<ul style="list-style-type: none"> <li>• Data rate: CAN FD 5 Mbps max., CAN 2.0 1 Mbps max.</li> <li>• Modes: mixed CAN 2.0B and CAN FD mode, CAN 2.0B mode</li> <li>• Electrically isolated</li> <li>• Termination resistor controllable via software</li> </ul>
WLAN / BT	2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless; BT 5.0, BLE (see Variants)
Hardware Watchdog	Watchdog in RTC device, freely configurable watchdog character device
Compatible RevPi Modules	<ul style="list-style-type: none"> <li>• All RevPi I/O modules, RevPi gateways, and the RevPi Ethernet-Adapter can be connected via the PiBridge system bus.</li> <li>• Up to 5 modules can be connected to both the left and right side of the device.</li> </ul>
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	<p>intended</p> <p><b>NOTE:</b> 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.</p>

## Variants

Item no:	RAM	eMMC Memory	WLAN BT	RS485	CAN
100412	4 GB	32 GB	-	×	-
100413	4 GB	32 GB	×	×	-
100414	4 GB	32 GB	-	×	1 ×
100415	4 GB	32 GB	×	×	1 ×
100416	8 GB	32 GB	-	×	-
100417	8 GB	32 GB	×	×	-
100418	8 GB	32 GB	-	×	1 ×
100419	8 GB	32 GB	×	×	1 ×
100420	8 GB	32 GB	×	-	2 ×



<https://revolutionpi.com/shop/en/revpi-connect5>

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Errors and omissions excepted.

[1] The maximum USB output current is only guaranteed when supplied with 24 V DC -15 % / +20 %.

[2] The average power consumption without USB load varies greatly depending on the use of the interfaces, GPU, and CPU. It is usually well below 6 W without HDMI.

[3] The maximum operating temperature applies to typical device usage, but not to maximum device load.