

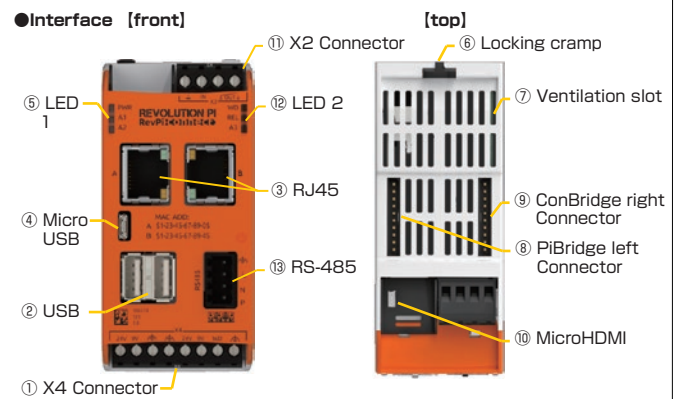
Feature

- Raspberry Pi for industrial use Compute Module 3+ integrated
- Raspbian
- Power input DC12/24V
- Wide temperature range -40 ~ 55°C
- Noise resistant
- DIN-rail mounting
- Onboard eMMC on Compute Module 3+
- No SD memory
- RS-485 port and digital input/output
- I/O extendable with extension modules e.g. Digital I/O module

Product Specifications

Processor	BCM2837B0, 1.2 GHz, quad-core
RAM	1GB
Flash	CM3+Onboard eMMC 8GB/32GB
OS	Raspbian- version Jessie/Stretch incl. RT-Patch
Interfaces	1 x Power input 1 x Digital I/O connector Input : 24V, approx. 3.0V(0->1)/2.3V(1->0) Relay output : 2A @ DC30V (resistance load) 2 x USB A (Total current draw from both sockets max. 1 A) 2 x RJ45 10/100 Ethernet (using separate MAC addresses) 1 x RS485 screw-type terminal (not galvanically isolated) 1 x Micro-USB (solely for image transfer to eMMC) 1 x Micro HDMI
Extension interfaces	2 x PiBridge system bus (black) 1 x ConBridge system bus (grey)
LED	Power : Functioning (green), Error (red) A1, A2, A3 : Customizable LED (green/red) WD Watchdog functioning (green), error (red) REL Relay output status on (green), off (off)
Power supply	DC12~24V - 15%/+20%
Power consumption	approx. 20W
Operating temperature	-40~55 °C
Storage temperature	-40~85 °C
Humidity	0~93% (non-condensing)
Protection degree	IP20
Housing material	Polycarbonate
Size (HxDxW)	H96 x D45 x W110.5mm (protruding parts not included)
Weight	approx. 220g
ESD protection	4kV / 8kV (EN61131-2, IEC 61000-6-2)
EMI	EN61131-2, IEC 61000-6-2
EMS	EN61131-2, IEC 61000-6-2
Mounting	DIN-rail mounting

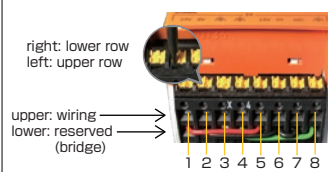
Interfaces



① X4 Connector	Power input
② USB port x 2	USB2.0 Type-A host port (Up to 1A combined)
③ RJ45	Independent 2 x LAN port
④ MicroUSB port	Internal eMMC board to upload data (micro USB B)
⑤ LED 1	PWR, A1, A2 and 3 x LED
⑥ Locking clamp	To lock the module on the DIN-rail
⑦ Ventilation slot	Cooling system from the bottom to the top
⑧ PiBridge connector left (black)	To interconnect the extension module
⑨ PiBridge connector right (grey)	To interconnect the extension module
⑩ MicroHDMI port	Interface to connect a monitor
⑪ X2 Connector	Connector for digital input (24V) and relay output
⑫ LED 2	WD, REL, A3 and 3 x LED
⑬ RS-485 Connector	RS-485 Interface

●RevPi Connect power connector (spring clamp connector)

Use flat screw driver to connect wires to terminals



Pin	Signal
1	DC24V
2	0V
3	Don't connect
4	FG
5	24 V supply for watchdog and connect modules
6	0V
7	Watchdog
8	FG

Pin1-5, 2-6, 4-8: external bridge

●RS-485 connector



Pin	Signal
⊕	FG
⊥	SG
N	RS-485 -
P	RS-485 +

Order Information

Model	eMMC	Description	Part Number
RevPi Connect+	8GB	RevPi Connect+ 8GB	72PR100302
	32GB	RevPi Connect+ 32GB	72PR100304