

Specifications	RevPi Connect+	RevPi Connect	RevPi Core 3+	RevPi Core 3	RevPi Core
Processor	BCM2837B0	BCM2837	BCM2837B0	BCM2837	BCM2835
Number of cores	4	4	4	4	1
Clock rate	1.200 MHz	1.200 MHz	1.200 MHz	1.200 MHz	700 MHz
RAM	1 GB	1 GB	1 GB	1 GB	500 MB
eMMC flash memory	8 GB / 16 GB / 32 GB	4 GB	8 GB / 16 GB / 32 GB	4 GB	4 GB
Power supply	12 - 24 V	12 - 24 V	12 - 24 V	12 - 24 V	12 - 24 V
Size (L x W x H)	111 x 45 x 96 mm	111 x 45 x 96 mm	111 x 22.5 x 96 mm	111 x 22.5 x 96 mm	111 x 22.5 x 96 mm
Operating temperature	-40°C...+55°C	-40°C...+55°C	-40°C...+55°C	-40°C...+55°C	-40°C...+55°C
Storage temperature	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C
Humidity	93%, non-condensing	93%, non-condensing	93%, non-condensing	93%, non-condensing	93%, non-condensing
Protection class	IP 20	IP 20	IP 20	IP 20	IP 20
ESD protection	4 kV/8 kV	4 kV/8 kV	4 kV/8 kV	4 kV/8 kV	4 kV/8 kV
EMI tests	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)
Surge/Burst tests	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)	Passed (acc. to EN61131-2 and IEC 61000-6-2)
CE	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes
Operating system	Customized Raspbian	Customized Raspbian	Customized Raspbian	Customized Raspbian	Customized Raspbian
Interfaces (quantity)					
RJ45 Ethernet ports (10/100 Mbit/s)		2(each with its own MAC address)		1	1
USB 2.0 socket		2		2	2
Micro HDMI socket		1		1	1
Micro USB 2.0 socket (for firmware uploads only)		1		1	1
RS485 screw terminal (4 pole)		1		-	-
PiBridge (for RevPi expansion modules)		1		2	2
ConBridge (for RevPi Con expansion modules)		1		-	-
24V input for shutdown signal of an UPS		1		-	-
Freely programmable relay switching contact		1		-	-
Available expansion modules					
Name	Function	Item no.	RevPi Connect+ / Connect	RevPi Core 3+ / Core 3	RevPi Core
RevPi DIO	Digital IO module	100197	X	X	X
RevPi DI	Digital Input module	100195	X	X	X
RevPi DO	Digital Output module	100196	X	X	X
RevPi AIO	Analog IO module	100250	X	X	X
RevPi Gate PROFINET IRT	Gateway PROFINET IRT Device/Slave	100074	X	X	X
RevPi Gate PROFIBUS	Gateway PROFIBUS Slave	100069	X	X	X
RevPi Gate EtherNet/IP	Gateway EtherNet/IP Adapter/Slave	100066	X	X	X
RevPi Gate DeviceNet	Gateway DeviceNet Adapter/Slave	100071	X	X	X
RevPi Gate EtherCAT	Gateway EtherCAT Slave	100073	X	X	X
RevPi Gate POWERLINK	Gateway POWERLINK CN/Slave	100076	X	X	X
RevPi Gate SERCOS III	Gateway SERCOS III Slave	100075	X	X	X
RevPi Gate Modbus TCP	Gateway Modbus TCP Slave	100088	X	X	X
RevPi Gate Modbus RTU	Gateway Modbus RTU Slave	100090	X	X	X
RevPi Gate CANopen	Gateway CANopen Slave	100070	X	X	X
RevPi Gate DMX	Gateway DMX Master/Slave	100237	X	X	X
RevPi Gate Serial	Gateway Serial Slave	100068	X	X	X
RevPi Con M-Bus	Wireless M-Bus module (868 MHz)	100281	X	NO	NO
RevPi Con M-Bus VHP	Wireless M-Bus module (169 MHz)	100282	X	NO	NO
RevPi Con CAN	CAN bus module	100286	X	NO	NO