

HIGHLIGHTS

- LOW POWER, FAN-LESS
- HEADLESS SYSTEM
- RASPBERRY PI 3B
- ARM CORTEX A53 / 4x1,2GHZ
- METAL HOUSING POWDER COATED
- CE-COMPLIANT
- FOR INDUSTRIAL APPLICATIONS



RPI - BOX-S

Update: 09/2020

Hardware	Description
Type of device	RPI-Box in a housing of steel sheet (powder coated) with an integrated CPU Raspberry Pi 3B and a power supply with input voltage of 12- to 24VDC. Enlargement board with several options for digital- or analogue I/O's and different interfaces. All-in-one-box for data acquisition, storage and transmission to diverse recipients (computer networks or the cloud).
Mainboard	CPU: ARM Cortex A53 / 4x 1,2GHz Chipset: Broadcom BCM2387 WLAN: 802.11 b/g/n Bluetooth: Bluetooth 4.2 (Classic or LE) Ethernet: 10/100 Base T Ethernet socket GPIO: 8x GPIO
Interfaces external (bottom side)	Serial: 4x USB2.0 Network: 1x LAN 10/100Mbps Ethernet Optional: Real-time clock (RTC), DIO with optocouplers, I ² C, CAN, RS232
Interfaces internal	Type: Audio, HDMI, CSI Camera Interface
Main memory	RAM: 1GB LPDDR2
Mass memory	Micro-SD: 16GB SDHC Class10
Power input	Input voltages: 12- to 24VDC Wattage: max. 15W

Software	Description
Operation system	Raspbian, Windows 10 IoT Core; others on request

Mechanics	Dimensions: W x H x D
Housing	129 x 106 x 39,7 mm (incl. mounting brackets: 144 x 106 x 39,7mm)
Weight	ca.0,45 kg

Options	Description
Mounting	Brackets or a clamp for 35mm mounting rails.
Enlargements	Digital input card 8-bit opto-encoupled, digital output 8-bit card with optocouplers, analog input card 5 channel 10-bit, analog output card 4 channel 10-bit, CAN module etc. Enhanced Raspberry-PI version 4B on request.

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