Item no.: 384278

EB5652 - Raspberry Pi 3 Model B 1.2 GHz QuadCore 64Bit CPU

from **49,33 EUR**

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shipping weight: 0.30 kg
Manufacturer: Raspberry Pi Foundation

Product Description

With its ARMv8 1.2 GHz Quad Core processor ...from Broadcom©, the Raspberry Pi 3offers even more performance, a wireless module for WLAN (WiFi) and Bluetooth and remains backwards compatible with Pi 2 and Pi models.The processor is based on an ARMv8 Broadcom SoC, which has 4 cores (Quad Core CPU) like the Pi 2 model, but the ARM processor of the Raspberry Pi 3 now clocks at 1.2 GHz and is therefore even faster than that of the Pi 2. The CPU now also supports 64 bit applications natively. This makes this SoC board the first native 64-bit Raspberry Pi board for experimenting, tinkering and developing! Its use as a power-saving desktop replacement in the office or study, or as a thin client, media centre or in complex technical systems has been significantly improved. These applications run more smoothly and yet the system remains very energy efficient.The dimensions of the RasPi3 remain HAT compatible. The board is therefore the same size as the RasPi2, or the B+.All connections (for image, sound and LAN / USB data) have remained in the same place. A large number of previous housings for Pi2 are also suitable for the Raspberry Pi3 model B. Only the LEDs require new openings or a compatible black/grey or red/white Pi 3 case from the Raspberry Pi Foundation. Attention:There is also a change in the power supply! Due to the more powerful processor (1.2GHz CPU) and the integrated WLAN/Bluetooth radio chip, the energy consumption has increased. A new power supply unit (MircoUSB) is required, as the usual 5V/2A Micro USB plug-in power supply units are no longer sufficient for the new Raspberry Pi3 Model B. Please note that the compatible MicroUSB power supply with 5.1 volts and 2.5 amps should be ordered at the same time. This power supply is only suitable for the Pi3 and should only be used with the board!Data on the Raspberry Pi 3 Model B:- Quad-core processor Broadcom BCM 2837- ARMv8 architecture with 64 bit support- CPU clock with 1.2 gigahertz- 1024 MB RAM and integratedVRAM memory- GPU graphics processor for Full HD 1080p support- BCM43143 WiFi - WLAN (2.4GHz) and Bluetooth Low Energy (BLE) on board- 4 x USB 2.0 for mouse, keyboard and other peripherals- 1 x HDMI with CEC and 1080p FullHD (standard HDMI socket) for monitor/display/TV devices- 1 x LAN connection 10/100 BaseT networkSocket- 1 x display (DSI) and 1 x camera connector strip (CSI)- 1 x Micro USB port for power supply (5.1V / 2.5A power supply required)- 40-pin GPIO connector strip, compatible with Pi2, A+ and B+Scope of delivery:- Raspberry Pi 3 Model BSources and downloads:Download current operating systems at: https://www.raspberrypi.org/downloadsInformation and help can be found at: https://www.raspberrypi.org/forums/Please note that a new power supply unit and possibly a new housing will be required to operate the new Raspberry Pi 3 Model B (status LED position). These accessories are not included in the scope of delivery and must be ordered separately. Do not use the 5.1V/2.5A Raspberry Pi 3 power supply with the older models or as a charger / power supply for 5V devices!

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability