Item no.: 384181

EB7281 - Raspberry Pi 4 Model B 8GB SDRAM

from **86,10 EUR**

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shipping weight: 0.10 kg
Manufacturer: Raspberry Pi Foundation

Product Description

The Raspberry Pi 4 Model B with 8 GB RAMsets new standards in terms of performance, features and potential applications!With the Pi4, the Raspberry Pi Foundation launched the most powerful and feature-rich single board computer to date in 2019. The list of features reads like a detailed list of modern PCs. With the real Gigabit LAN, the Raspberry Pi 4 board opens up a wealth of additional areas of application and opens up completely new possibilities, especially in the multimedia sector.USB ports for peripherals are available in USB version 2.0 (2 pieces) and additionally version 3.0. This is particularly noticeable when connecting external hard drives.The processor now enables the playback of 4K content, even on 2 (mini) HDMI ports! Streams can be decoded in H.264 and even H.265. Depending on the number of connected monitors (mini-HDMI adapter required!), the frame rate is up to 60 frames.But also "old acquaintances", such as the combined jack connection with analogue stereo audio and composite video and of course the ports for the official display or the Raspberry Pi cameras, can be used. Raspberry Pi cameras, can also be found on the board.The GPIO interface enables the connection of previous HAT extensions and, of course, the PoE HAT Extension. The 4-pin connection for the PoE power supply is also available here (PoE is an optional accessory!).The board has remained fully HAT compatible, so the dimensions and drill holes correspond to those of the previous models.However, as new connections and positions have been added to the ports, the previous housings can no longer be used with the RPi4. Enclosures for this model are of course available. These can be ordered in the usual colour combinations, i.e. red/white and black.However, the new increase in performance also requires a new power supply.Unfortunately, the MicroUSB power supply unit that was previously used can no longerbe used for this model. It is therefore necessary to purchase a USB-TYP-C power supply unit. The voltage at the USB-C plug should be 5V, the possible current 3A. We recommend that you use the official power supply unit to avoid problems. The plug-in power supply units are also available in the previous colours to match the housing.Attention:Please note that the current hardware also requires a kernel upgrade or the reinstallation of a current image! Older images that were created for a previous model and have not been upgraded are not executable (bootable) in the new Raspberry Pi 4 board.The Raspberry Pi 4 Model B is equipped with a Broadcom 2711, Quad-core CortexA72 64-bit SoC @ 1.5GHz.Further details are:- available with 2GB, 4GB or 8GB LPDDR4 SDRAM- 2.4GHz / 5.0GHz IEEE 802.11.b/g/n/ac Wireless LAN integrated- Bluetooth 5.0, BLE- 2 x USB 2.0 / 2 x USB 3.0 ports - one "real" Gigabit Ethernet RJ45 port- HAT compatible 40-pin GPIO header- 2 x Micro HDMI- 4K video 1 X MIPI- DSI display port- 1 X MIPI CSI camera port- 4-pin stereo audio and composite video- H.265 decode (4kp60)- H.264 decode (1080p60)- H.264 encode (1080p30)- OpenGL ES 1.1, 2.0, 3.0 graphics- Micro SD for OS & data storage- 5V/3A DC via USB type C Connector- 5V DC via GPIO- PoE capable via optional HAT extension

Specifications

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