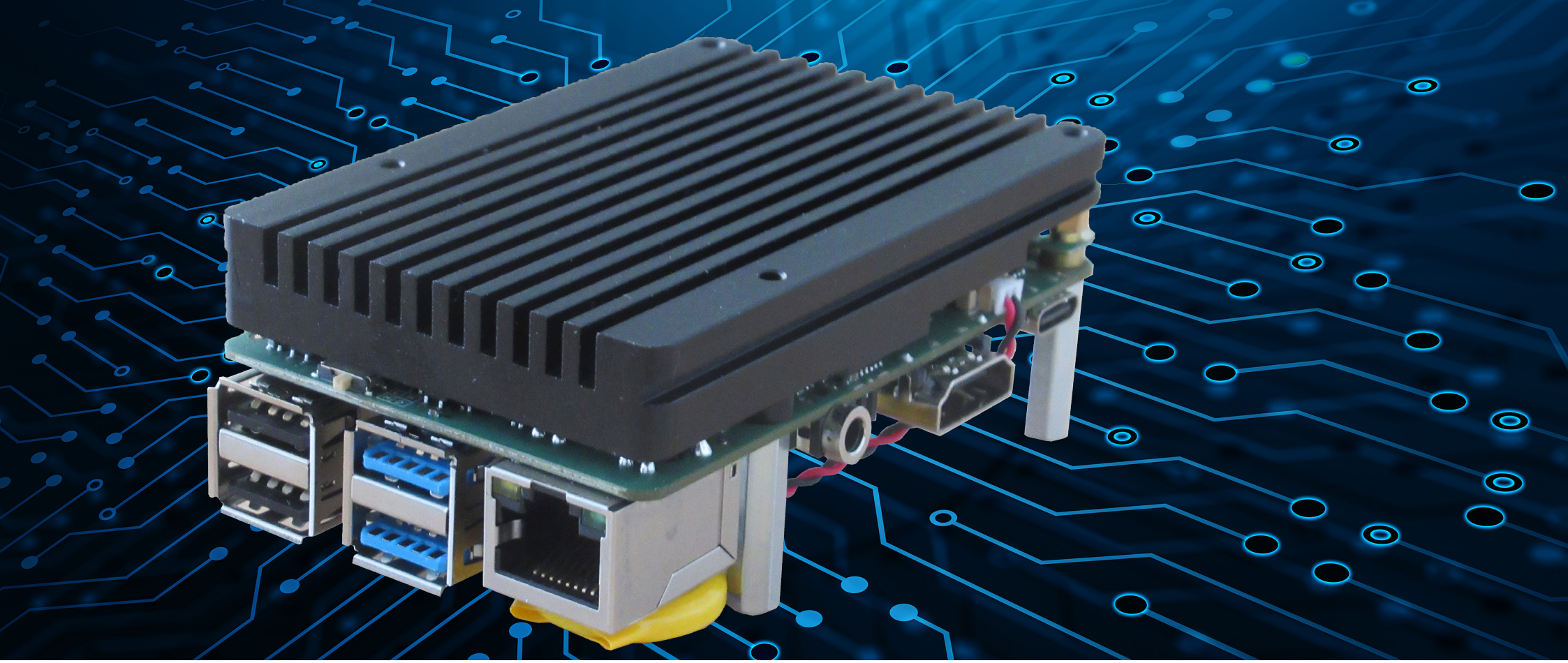

FORTEC GROUP

Rock PI4 module

Electrical ad on modules

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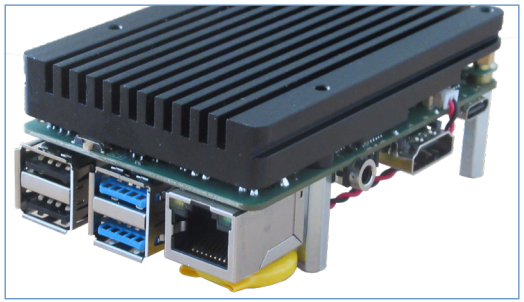
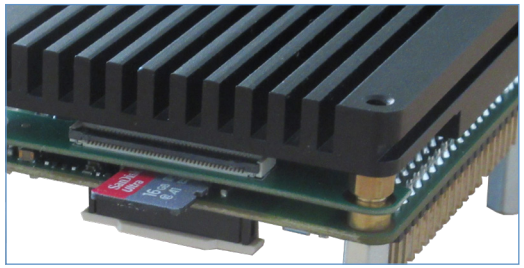
Product Features

Designed, developed and made in Germany

Rock PI 4



Rock PI4 Module B for 4K monitors



SD slot on Rock PI Module B

Single board computer for 4K

The RockPi4 is a single board computer that is small in size compared to other computers, but it is still extremely powerful and is even able to play 4K videos. It offers excellent compatibility with various hardware and has an LPDDR4 RAM and a 64bit Hexacore processor. The RockPi4 is completely integrated into the system of the monitor and can be used like that. You will receive a 32 GB microSD card for each RockPi. You can set up an operating system on this. Ready-to-download images for Android, Debian or Ubuntu and other software can be found here: https://rockpi.eu/

Excellent compatibility

The Rock Pi is passively cooled. This means that there is a heat sink on it that absorbs and derives the heat produced by the processor. With passive cooling, there are no moving parts like fans.
The integrated RockPi4 ist compatibel with the digital signage solution from STino GmbH. For inquieries please send an e-amil to solution@fortec-integrated.de.

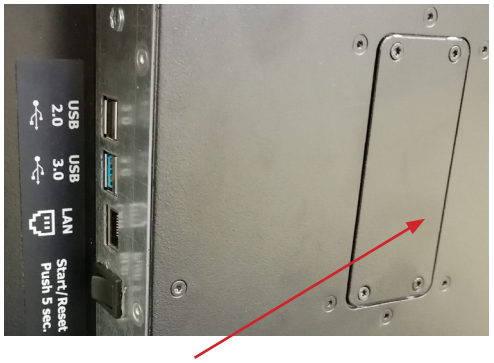
Rock PI4 is an option for all 4K video monitors. A combination of PC box IQ Core™-i5 and Rock PI4 is not intended.

Description

Rock PI 4

Assembly and disassembly of the SD card

Before you insert or replace the SD card in the RockPi, switch off the device. There is a small service flap (see picture) on the back of the monitor (bottom left). Use a Torx10 screwdriver to remove the screws and open the flap. Below is the card slot of the Rock Pi4. You can swap the SD card as you wish and install the operating system you want. For available OS please visit https://rockpi.eu/.



Service flap for SD exchange

Insert card: Before you insert an SD card into the RockPi4, you have to install a suitable operating system on the SD card. When you have done this, insert the SD card with the label facing up into the designated card slot, then close the service door again. Now you can switch on the device.

Remove card: If you want to remove the SD card, make sure that the device is switched off. You can then gently pull the SD card out with two fingers.

Note: If you change the signal source without switching off the RockPi, it is still active. This means that for devices in which a touchscreen is installed, the RockPi is activated when you enter it via the touchscreen, even though you see a different picture. If you want to use another signal source in connection with the touchscreen, you have to shut down the RockPi.

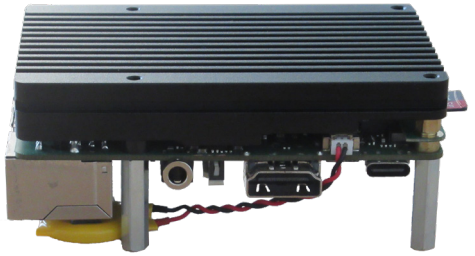
Switch the RockPi4 on/ off

The RockPi4 starts up automatically when the monitor is switched on. If you want to switch off the RockPi, you have to shut it down like a PC. To switch on again, restart the system or press the button on the RockPi. If the RockPi system should freeze, press the switch on the RockPi4 for approx. 5 seconds, it will then restart. If there is no incoming signal, the monitor switches off after approx. 20 seconds.

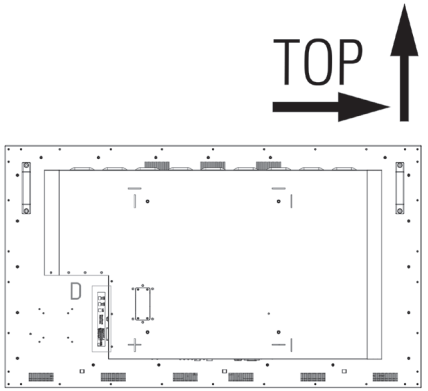
Technical Information

Rock PI 4

Order number		DS-92-088
Name		Rock Pi4 Mini PC
Description		internal ARM based Single board PC
PC/ Interfaces		1 x LAN, 2 x USB2.0, 2 x USB 3.0, no operating system Storage medium: internal storage (32 GB microSD)
Can be combined		all 4K video monitors
Continuous operating time	[h] / [d]	24/ 7
Storage temperature	[°C] / [°F]	-20 ~ 60/ -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Storage humidity	[%]	10 ~ 90 (non condensing)
Operating humidity	[%]	10 ~ 90 (non condensing)
Location of connectors		Landscape: bottom/ Portrait: left side (front view)

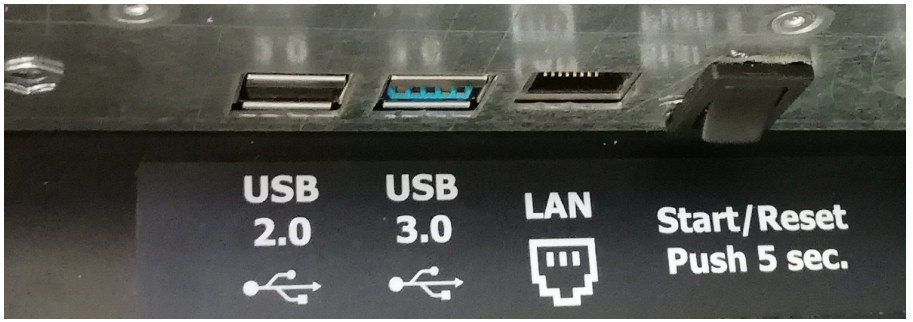


Rock PI4 internal connections and SD slot



Position of Rock PI4 Module B in the monitor

The Rock Pi 4 has, accessible on the side of the monitor, 2xUSB 2.0, 2xUSB 3.0 connections and 1xLAN connection (see picture). The RockPi4 is internally connected to an HDMI port on the controller card. You can select this port using the „Source" button under the name „RockPi" on your remote control.



connections of Rock PI4 Module B in the monitor

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