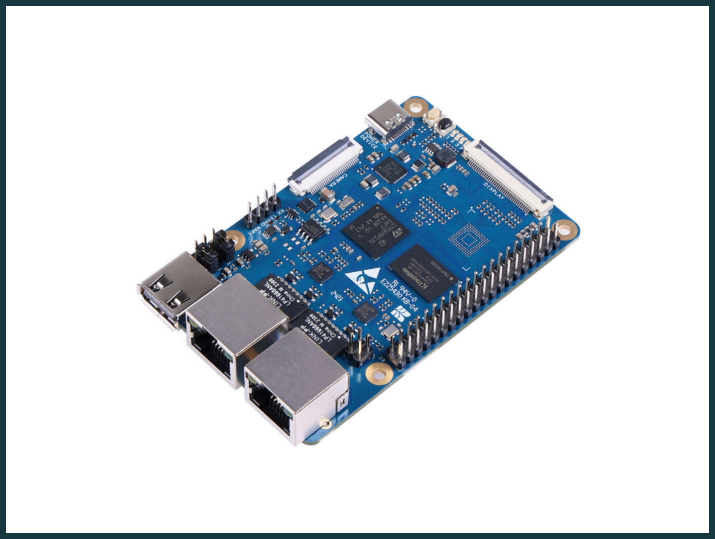
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INDUSTRIAL PRODUCT DATASHEET

ODYSSEY- STM32MP135D, Cortex-A7 STM32, Yocto/Buildroot OS, Ethernet ports with WoL, USB Type-A, CSI, LCD, 4Gb DRAM, TF card holder, PoE

Compact STM32MP135D SBC with dual Ethernet, PoE, and Yocto/Buildroot support for networked monitoring, home security, portable media, and smart vending applications.

SKU	UPDATED	PRICE
102110701	2026-04-15 09:25:48	$34.99(Excl. VAT)



Overview

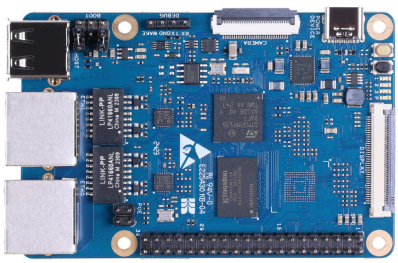


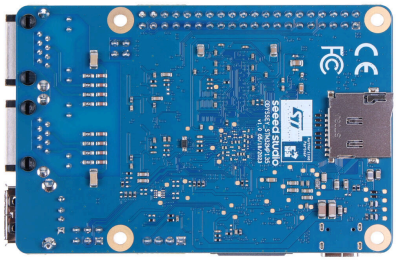
The ODYSSEY- STM32MP135D is a compact 8.5cm x 5.6cm single board computer powered by a 32-bit Arm Cortex-A7 STM32 MPU, supporting Yocto and Buildroot OS. It provides dual 10/100M Ethernet ports with WoL, PoE, USB Type-A, CSI, LCD connectors, 40-pin GPIO, Kingston 4Gb DRAM, and a TF card holder for up to 32GB, suitable for networked monitoring devices, home security systems, portable media players, and smart vending machines.

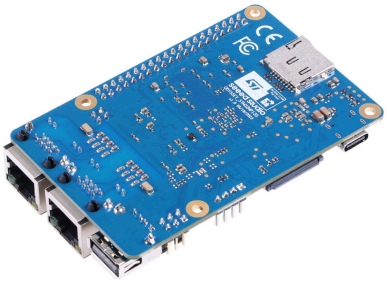
Key Features

- **Compact STM32 Single Board Computer:** Equip a powerful 32-bit Arm Cortex-A7 STM32 MPU in a 8.5cm x 5.6cm board, supporting Yocto and Buildroot Operating System
- **Versatile Connectivity:** Offer two 10/100M Ethernet ports, ETH0 supports WoL function, 1x USB Type-A, 1x CSI 30p FPC Connector, 1x LCD 40p FPC Connector, and 40-pin GPIO for fast data transfer
- **Expandable Storage:** Provide Kingston 4Gb DRAM and an additional TF card holder for up to 32GB
- **Flexible Power Supply:** Support PoE through Ethernet and power supply through Type-C
- **Line redundancy in the field of industrial field control:** Offer 2 network ports input backup, 2 lines connected to different operators, ensure data stability and security

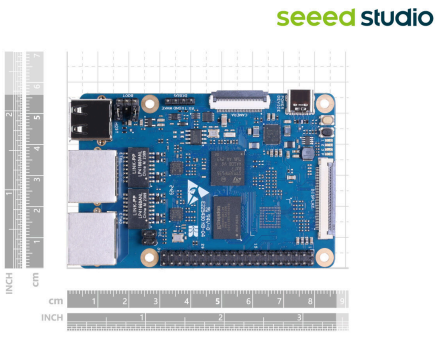
Product Gallery











Specification

Specification	Details
Processor	32-bit Arm Cortex-A7 STM32 MPU
Operating System	Yocto, Buildroot

Connectivity	2x 10/100M Ethernet ports, ETH0 supports WoL function, 1x USB Type-A, 1x CSI 30p FPC Connector, 1x LCD 40p FPC Connector, 40-pin RPI compatible GPIO
Storage	Kingston 4Gb DRAM, additional TF card holder for up to 32GB
Power Supply	PoE through Ethernet, power supply through Type-C
Bare Board Dimension	85x56x17mm
Board Weight	G.W 36g

Applications

- **Networked Monitoring Device**
- **Home Security System**
- **Portable Media Player**
- **Smart Vending Machine**

Part List

ODYSSEY- STM32MP135D	x1

Compliance & Logistics

HSCODE	8471504090
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- https://www.seeedstudio.com/Odyssey-MP135D-p-5727.html
- SMD IC Memory;FBGA-96-Specification.pdf
- SGMICRO_SGM820B-2.8XTDE8G TR_Datasheet.pdf
- ST_STPMIC1DPQR_Datasheet.pdf
- ST_STM32MP135DAF7_Datasheet.pdf
- ODYSSEY- STM32MP135D Schematic

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