

INDUSTRIAL PRODUCT DATASHEET

ODYSSEY - X86J4125800 v2 - with Linux and RP2040 Core

Quad-core Intel® Celeron® J4125 Mini PC with 8GB RAM, dual 2.5GbE, 4K output, RP2040 co-processor, and support for Windows, Linux, and OpenWRT OS for edge computing, NAS, and IoT applications.

SKU

102110767

UPDATED

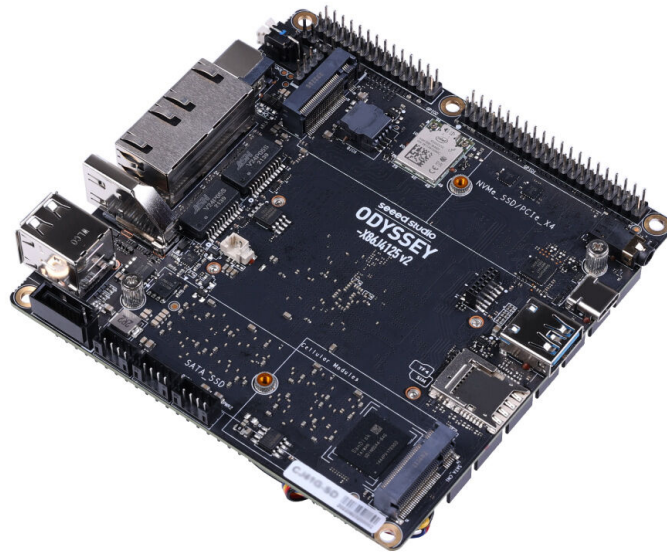
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PRICE

\$218.00(Excl. VAT)



Overview

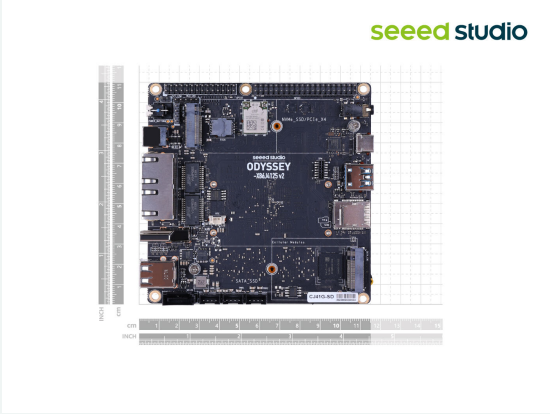
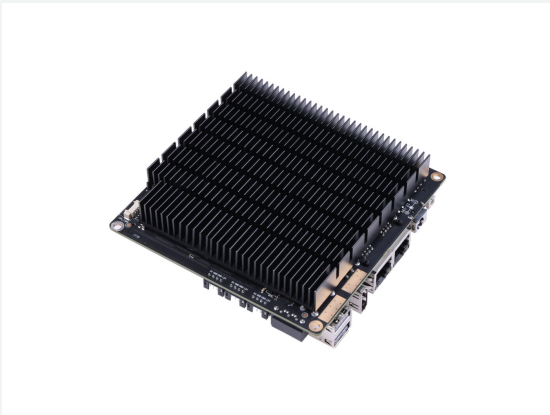
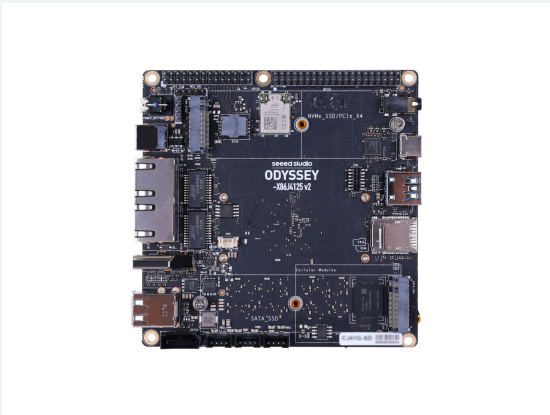


The ODYSSEY - X86J4125800 v2 Mini PC features an Intel® Celeron® J4125 quad-core processor with 8GB LPDDR4 RAM, dual 2.5GbE and dual-band Wi-Fi, optional 4G LTE via SIM slot, and 4K dual-display output through HDMI 2.0a and USB-C with Intel® UHD Graphics 600. It offers extensive expandability with SATA, M.2, USB, and SD card slots, an RP2040 co-processor, Raspberry Pi 40-Pin compatibility, and supports Windows, Linux, and OpenWRT OS for applications including edge computing, NAS, router, and IoT gateway.

Key Features

- **ODYSSEY Mini PC:** Quad-core Intel® Celeron® J4125, 8GB LPDDR4 RAM, tiny and portable, four threads decent processing power realize multitasking and edge computing
- **Hybrid & Fast Network Access:** Equip dual 2.5GbE interfaces, dual-band Wi-Fi, support 4G LTE(module not included) with sim card slot
- **High-definition 4K Video Output:** Intel® UHD Graphics 600, provide an HDMI 2.0a port and a Type-C USB3.1 port(DP 1.2a) for 4096x2160 @ 60Hz exhibition, which supports displaying at the same time
- **Sufficient Capability and Expandability:** Provide 1x SATA, 2x M.2 interfaces, 1x SD card slot, 1x audio Jack, 1x USB 3.1 and 2x USB 2.0 ports for extension
- **High Development Design:** RP2040 co-processor, compatible with Raspberry Pi 40-Pin and RP2040 28-Pin, support by Windows, Linux, OpenWRT OS, and the entire Grove ecosystem

Product Gallery



Specification

Components	ODYSSEY - X86J4125800 v2
Processor	Intel® Celeron® J4125 (Frequency: 2.0 - 2.7GHz)
Coprocessor	Raspberry Pi ® RP2040 32bit ARM® Dual-Core Cortex® M0+

Graphics	Intel® UHD Graphics 600 (Frequency: 250 – 750MHz)
Memory	LPDDR4 8GB
Wireless	Wi-Fi 802.11 a/b/g/n/ac @ 2.4/5 GHz HT160
Networking	Intel® I226-V PCIe G 2.5GbE LAN, Supports Wake-On-LAN, Supports PXE
Audio	Microphone + headphone Combo Connector
Headers	1 × 40-Pin header compatible with Raspberry Pi 1 × 28-Pin header (RP2040) 1 × Front Panel Audio Connector 1 × 4-Pin header (UART function from RP2040) 1 × Fan Port (4 pins 1.25mm PWM 5V) 3 × 4-Pin SATA Power Connector 1 × 4-Pin header (Power and Switch)
USB	USB 2.0 Type-A x2, USB 3.1 Type-A x1, USB 3.1 Type-C x1
Video Interfaces	HDMI2.0a: Up to 4096x2160 @ 60Hz 24bpp / DP1.2a: Up to 4096x2160 @ 60Hz 24bpp
Expansion Slots	M.2(Key B, 2242/2280): SATA III, USB2.0, UIM; M.2 (Key M, 2242/2280): PCIe 2.0 ×4; Micro SD card Socket; SIM Card Socket; SATA III
RTC	JST 1.0 CR2032 3V
TPM	Built-in fTPM (2.0), optional external TPM 2.0
Power	DC Jack 5.5/2.1mm or Type-C PD DC Jack input: 12-19V DC Type-C input: 15V DC
Dimensions	110x110mm
Certifications	FCC, CE, TELEC, UKCA
Operating temperature	0°C~75°C

Version	CPU	Operating System	Memory	B A S E A d a p t e r

ODYSSEY - X86J4125864 v2	Intel Celeron J4125	Windows 11 Pro(Unactivated)	64GB eMMC	Not Included
ODYSSEY - X86J4125864 v2(TELEC)				
ODYSSEY - X86J4125864 v2 (Win11 Pro Activated)		Windows 11 Pro(Activated)		
ODYSSEY - X86J4125864 v2(Win11 Pro Activated)(TELEC)				
ODYSSEY - X86J4125800 v2	Intel Celeron J4125	N/A	N/A	Not Included
ODYSSEY - X86J4125800 v2(TELEC)				
ODYSSEY Blue J4125 v2	Intel Celeron J4125	Windows 11 Pro(Unactivated)	N/A	Not Included
ODYSSEY Blue J4125 v2(TELEC)				

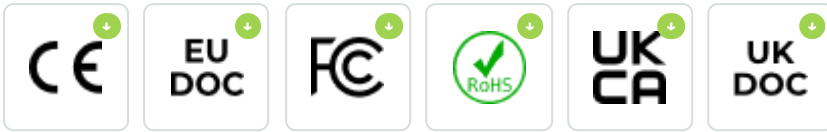
Applications

- Mini PC
- **NAS:** Network-Attached Storage
- Edge Computing
- Router
- Robotics
- Industrial Applications
- Media Center
- IT Industry
- Educational Fields
- Thin Client
- Server Cluster
- IoT Gateway

Part List

ODYSSEY - X86J4125800 v2	x1
User Manual	x1
SATA Cable	x1
Antenna	x2
RTC Battery	x1
Heat Sink(Assembled)	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-X86J4125800-v2-p-5531.html>
- [User Manual](#)

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