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INDUSTRIAL PRODUCT DATASHEET

# Odyssey Blue: Intel® Celeron® J4125, Quad-Core 2.0-2.7GHz, Win10 Mini PC with 128GB SSD, Dual Gigabit Ethernet NICs

Odyssey Blue: Intel® Celeron® J4125, Quad-Core 2.0-2.7GHz, Win10 Mini PC with 128GB SSD, Dual Gigabit Ethernet NICs is a compact edge computing solution featuring dual 2.5GbE, 4K display, and an Arduino co-processor for versatile IoT...

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 110991564 | 2026-06-10 12:22:56 | $269.00(Excl. VAT) |



# Overview



The Odyssey Blue Mini PC features a quad-core Intel® Celeron® J4125 processor, 8GB LPDDR4 RAM, and Windows 11 Pro, with dual 2.5GbE interfaces, dual-band Wi-Fi, 4G LTE support, and 4K video output via HDMI 2.0a and USB-C. It is ideal for applications such as office productivity, NAS, soft router/firewall, 4K home theater, NVR, home automation, and Arduino/IoT development, leveraging its onboard RP2040 co-processor and extensive Grove ecosystem compatibility.

# Key Features

- **ODYSSEY Mini PC with Windows 11 Pro:** 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-defination 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:** Onboard 64GB eMMC, 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

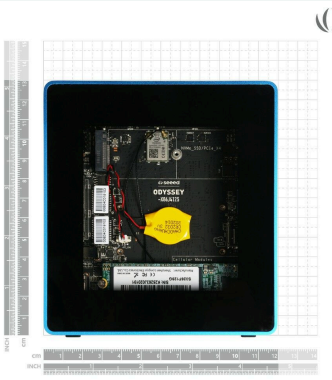












## Specification

| | |
|---|---|
| Components | ODYSSEY - X86J4125864 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 2.5GbE LAN, Supports Wake-On-LAN, Supports PXE |
| Audio | Microphone + headphone Combo Connector |
| Headers | 1 × 40-Pin header compatible with Raspberry Pi<br>1 x 28-Pin header (RP2040)<br>1 × Front Panel Audio Connector<br>1 × 4-Pin header (UART function from RP2040)<br>1 × Fan Port (4 pins 1.25mm PWM 5V)<br>3 × 4-Pin SATA Power Connector<br>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<br>DC Jack input: 12-19V DC<br>Type-C input: 15V DC |
| Dimensions | 130x120x50mm |
| Certifications | FCC, CE, TELEC, UKCA |
| Operating temperature | 0°C~75°C |

| Version | CPU | Operating System | Memory | Ethernet Adapter |
|---|---|---|---|---|

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

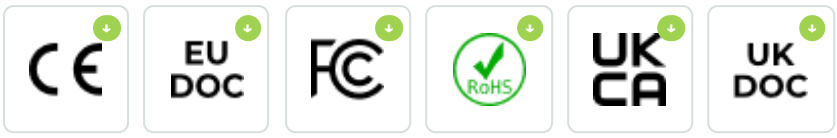
# Applications

- **Office PC**
- **NAS:** It can also be a NAS work with Open Media Vault and FreeNAS, it's both fast and large enough with external SSDs. If you want higher performance and more storage, you can use a standard M.2 PCIe or SATA SSD.
- **Soft Router/Firewall:** Flashing OpenWrt firmware, you can use Odyssey as the most trusted high-speed router with OpenWrt or OPNSense / pfSense with Dual Gigabit Ethernet. With 4G, even 5G cellular network connectivity via two of M.2 PCIe (B Key and M Key), it can also be a hybrid speed gateway.
- **4K Home Theater:** let Odyssey steam 4K for you with Plex, and enjoy family sharable entertainment. Plus, without any Ads using Pi-hole!
- **NVR:** Connecting to IP cameras, it can also work as an NVR system, even with local processing AI capability with Frigate. (we recommend you can also add Coral AI accelerator for a faster inference, we tested there is 10FPS without Coral, enough tho!)
- **Home Automation:** Perfect work with Home Assistant, use Odyssey as your center of private and local home automation.
- **Gaming**
- **Virtual Machine Monitor:** The J4125 supports Intel Hyper V virtualization and can be virtualized with Promox or VMware ESXi to create multiple instances or install multiple systems which makes it perfect for homelab option. For more information, check this blog for ESXi installation: https://blog.seeedstudio.com/blog/2020/04/26/install-vmware-esxi-7-0-on-odyssey-x86/
- **Arduino & IoT Development:** Program Arduino with onboard ATSAMD21 Core, an ARM Cortex-M0+ MCU. The ODYSSEY Blue J4125 128 GB is more than just a computer, with the Arduino Co-processor onboard, it can be used to connect with sensors, gyroscope, and much more. Why don't you start exploring your IoT journey from here! We have over 300 Grove modules and Sensors for you to choose from.

## Part List

| | |
|---|---|
| ODYSSEY - X86J4125864 v2 | x1 |
| International Power Adaptor(12V 2A) | x1 |
| User Manual | x1 |
| Antenna | x2 |
| RTC Battery | x1 |
| Heat Sink(Assembled) | x1 |
| Cooling Fan(Assembled) | x1 |
| re_computer case | x1 |
| External 128g SSD (Assembled) | x1 |

## Compliance & Logistics




| | |
|---|---|
| HSCODE | 8471419000 |
| USHSCODE | 8517180050 |
| UPC | |
| EUHSCODE | 8471800000 |
| 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-Blue-J4125-128GB-p-4921.html
- Atmel-SAMD21-datasheet
- ODYSSEY - X86J4105 User Mannual

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