Introducing ASUS PL Series Mini PCs

ASUS

ASUS PL series mini PCs are designed mainly for indoor industrial applications. PL series mini PCs are subjected to strict testing standards, offer legacy connectivity and long product life cycles to cater to a diverse range of uses.

Why use ASUS PL64?

- Performance - Fanless design and 15-watt CPU support in a compact 0.81-liter chassis

- Reliability - Subjected to stringent 24/7 testing and passed the MIL-STD-810H standard to ensure long-lasting dependability

- Longevity - Guaranteed 48-month product life cycle, with additional long-term support to extend product life.

intel INSIDE

intel iRIS xe MAX GRAPHICS

Target Market

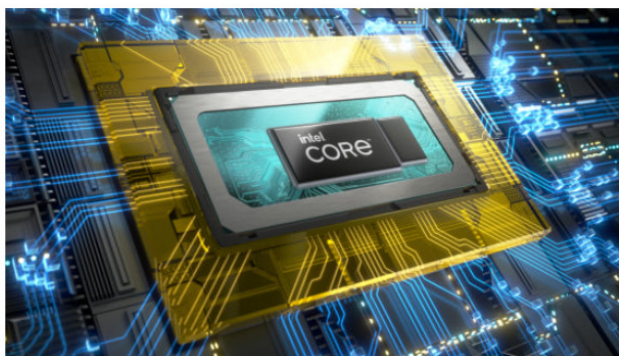| Digital Signage | Kiosk & Store OA | IoT Control Unit |

Digital Signage - Advantages

- Compact 200 x 120 x 34 mm dimensions, ideal for digital signage
- Stunning 4K resolution output
- Triple display support via HDMI
- EDID emulation: Ensures video output is suitable for the display
- Virtual display: Efficient remote device management without a monitor

Performance

12th Gen Intel® Core™ Processors

ASUS Mini PC PL64 is powered by 12th Generation Intel® Core™ Processors featuring a new hybrid processor design. This new core design enables PL64 to process multiple tasks simultaneously in the most efficient way possible.

With the whole new design CPU, PL64 can deliver superior performance for you to you process intensive business operations more efficiently.

Fanless Chassis Design with TDP 15W Support

ASUS Mini PC PL64 employs a new fanless design that lowers operational noise and minimizes dust ingress into the chassis, prolonging product life. The fanless design and 15-watt CPU support make PL64 ideal for industrial applications where reliability, durability, and low noise are paramount.

Optimized Cooling Design

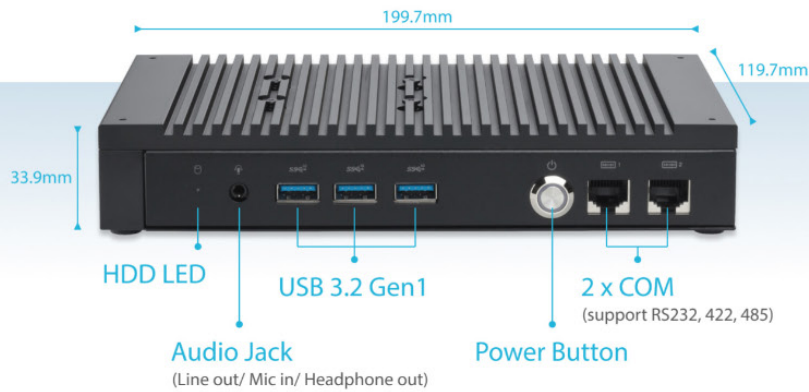Designed to operate at up to 50° C ambient temperature

The cooling system of Mini PC PL64 is connected to a heatsink for efficient heat dissipation to ensure optimal performance even when deployed in hot environments reaching up to 50° C.
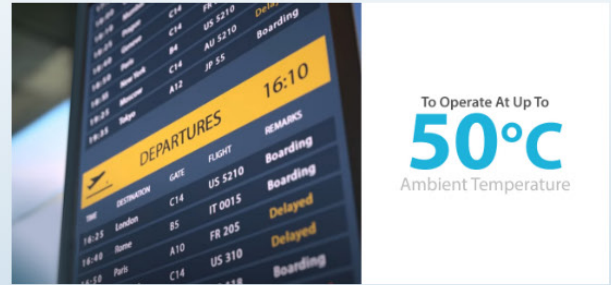
To Operate At Up To
50°C
Ambient Temperature

*Only for models that support 16 GB memory and below, other models support 35°C operational ambient temperature.

Compact Size with Metal Chassis

ASUS Mini PC PL64 measuring just 199.7 x 119.7 x 33.9 mm size and 0.81-liter chassis. The compact size makes PL64 suitable for digital signage, kiosk or any other space-constraint environments. Its metal chassis also makes PL64 more durable and perfect for industrial scenarios.

| FRONT | REAR | SIDE |

199.7mm

119.7mm

33.9mm

HDD LED

Audio Jack
(Line out/ Mic in/ Headphone out)

USB 3.2 Gen1

Power Button

2 x COM
(support RS232, 422, 485)

Advanced Output Management
EDID Emulation

Mini PC PL64 features Extended Display Identification Data (EDID) emulation and retains signage format so content being displayed remains unaffected even in the event of a temporary loss of power or connectivity issues, making it ideal for digital.

Original
(Without EDID Emulation Function)
The content may broken

Enable EDID emulation
The content is retained, once you reconnect the display, you can get it back and fine!

Once a monitor is unconnected

*Actual situation may vary by devices

Virtual Display

PL64 can create virtual screens without a connected display. Virtual Display technology provides access to the system via a remote desktop, without affecting content that's currently being displayed, allowing an administrator to manage the system offsite.

Update...

Productivity
4K Resolution & Triple Display Support

Mini PC PL64 is equipped with Intel® Iris® Xe Graphics (i5/i7) or Intel® UHD Graphics (i3/Celeron®) to display videos and images in stunning 4K resolution. PL64 can support up to three 4K displays simultaneously via HDMI®, so it's well suited for digital signage, billboard, and advertising applications.

STRAWBERRY CAKE
10 $

VIBRANT ORANGE TEA
5 $

MANGO CAKE
9 $

Dual COM Ports

Mini PC PL64 features dual COM ports to support legacy devices like barcode scanners or receipt printers. These ports support RS-232, RS-422, and RS-485 standards for wide-ranging versatility.

Barcode Scanner   **Credit card reader**   **Printer**

Vending machine   **Factory**

Dual LAN With One 2.5 GbE Port

Two LAN ports enable users to divide networks and provide network redundancy. One of the ports supports 2.5GBase-T (2.5 G) networking technology for speeds of 2.5 Gbps for swift online performance.

2.5x UP TO
FASTER
Than Gigabit port

| 2.5G Port | 2.5Gbps |
| 1Gbps | |

1G LAN   2.5G LAN

Exceptional Wireless Performance - Wi-Fi 6 & Wi-Fi 6E*

The built-in WiFi 6E module enables smooth streaming of high-resolution videos, fewer dropped connections, and fast wireless performance in dense environments, even when Mini PC PL64 is far from the router. In addition, the module provides Mini PC PL64 with an extra high-speed 160 MHz channel*.

WiFi6   WiFi6E

*SKUs with Wi-Fi 6E only provided to certain regions or countries, depending on local regulation.
* It requires WiFi-6-compatible devices to enjoy all benefits of Wi-Fi 6 (802.11ax).
*The speed is calculated with Wi-Fi 6 devices supporting 160 MHz.
*The data refers to uplink-OFDMA
*Actual performance may vary depending on objective environmental changes.

3X FASTER
than standard AC 2x2 with 80 MHz channels

4X CAPACITY
improvement in dense environment for more devices

75% LOWER LATANCY
seamless and reliable video displaying or conferencing

Supports Up to Two PCIe® 4.0 SSDs

Mini PC PL64 features an expandable double-storage design that supports up to two PCIe Gen4 x4 SSDs. PCIe 4.0 offers double the data transfer speeds of the prior PCIe 3.0 standard, enabling superfast data performance.
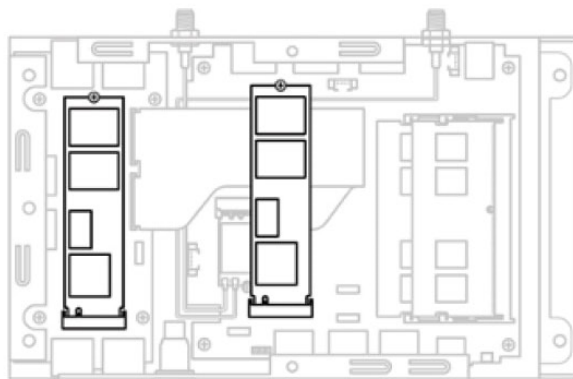
*Actual performance may vary depending on objective environmental changes.

RELIABILITY
Military Standard Tests

Tested to the rigorous MIL-STD-810H* standard, PL64 is subjected to extremes of temperature, altitude and humidity, and repeatedly dropped and vibrated to ensure that it's fit to perform even in harsh conditions.

*MIL-STD-810H standard tests are held in rigorous conditions, the test results cannot ensure the performance under these test conditions or for military use.

MILITARY GRADE
★
MIL-STD 810H
Multiple Tests
Passed

High Temperature Test   Altitude Test   ow Temperature Test   Drop Test   Humidity Test   Vibration Test
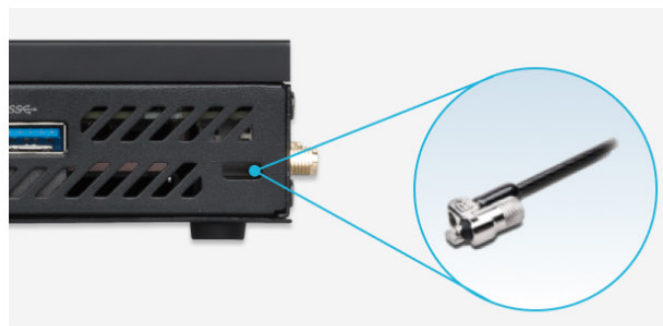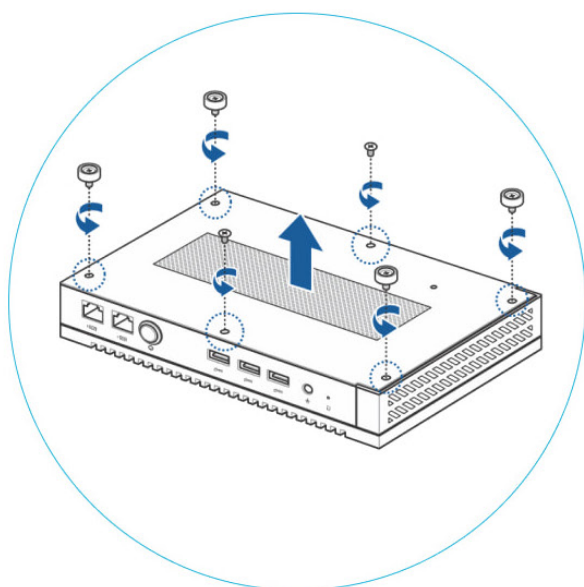
* PL64 is compatible with din rail and rack mount, but only wall mount and VESA mount are available for now.

2-Step Easy Upgrade Design

Users need only unscrew and lift the chassis cover to access the memory module, storage drives, and wireless card for easy upgrades.

1 Remove screws
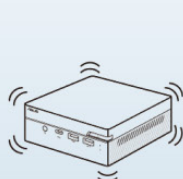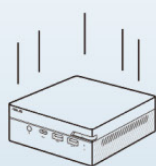Completely loosen the six screws from the bottom cover.

2 Lift and Open!
Open case design for easily upgrade
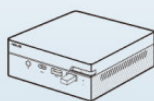
Tested for Perfection

Mini PC PL64 has undergone rigorous noise, vibration, drop, and thermal shock tests to ensure it meets exacting ASUS standards and exceeds industry requirements.
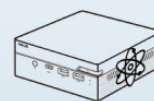

| Vibration Test | Drop Test | Port Test | Temperature and Humidity Test | Noise Test | ine Voltage and Frequency Test |
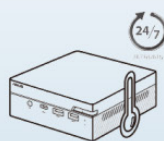
24/7 Reliability

ASUS Mini PCs are designed for businesses and include IT management tools to reduce maintenance cost and improve cost effectiveness.

168 hrs
Aging time

80 %
Relative humidity

50 °C
Chamber temperature*

*Only for models that support 16 GB memory and below, other models support 35°C operational ambient temperature

ASUS CORPORATE STABLE MODEL
What are the benefits?

- Comprehensive management via ASUS Control Center 1
- 36-month product lifecycle guaranteed 2
- Prior 6-month End-of-Life (EOL) notice
- Prior Engineering Change Notice (ECN) Service 3

Model	Chipset	aunch date	EOL Notice	ast Buy	EOL Date
PL64	Intel	2022/11	2025/5	2025/8	2026/11

*PL64 product life cycle is longer to 48-month
* Considering material shortage and vendor roadmap changes. The 3rd year supply is limited and only ensured based on FCST from 2nd year end

Enhanced Software - MyASUS
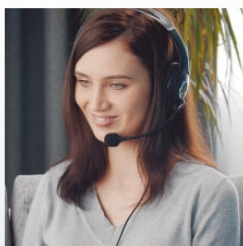
AI Noise Cancelation

- **Two-Way AI Noise Cancelation**
  Filters unwanted noise from microphone and incoming audio to have crystal-clear online voice communication.

System Diagnosis

- **Hardware diagnostic**

- **Scenario check-up**
  Each scenario comes with a brief description and allows you to quickly identify the scenario you have encountered and select the necessary Checkup.
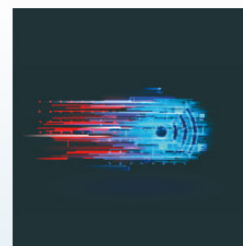
Networking Enhancements

- **WiFi SmartConnect**
  Optimizes your wireless connection

- **TaskFirst**
  Personalize the distribution of internet connection's available bandwidth

- **ink to MyASUS**
  Allows you to connect the computer with a mobile device

ASUS Mini PC PL64

OS	Windows®11 Pro 64Bit, Windows®11 64Bit or without OS
CPU	Intel® Alder Lake Core™ i7-1255U, i5-1235U, i3-1215U Celeron® 7305 (cTDP 15W)
Graphics	Integrated - Intel® Iris® Xe Graphics (i5/i7) Integrated - Intel® UHD Graphics (i3)
Memory	2 x SO-DIMM , DDR4-3200 MHz memory (up to 64 GB)
Storage	2 x M.2 2280 Gen 4x4 (256 GB, 512 GB, 1 TB)
Wireless Network	Intel® WiFi 6E/ 6 and Bluetooth® 5, 2*2
LAN	Intel® I225V LAN, 10/100/1000/2500 Mbps Intel® I219V LAN, 10/100/1000 Mbps
Front I/O	3 x USB 3.2 Gen 2 2 x COM (RJ50; support RS232, 422, 485) 1 x Audio jack (Line out/ Mic in/ Headphone out)
Side I/O	2 x USB 3.2 Gen 1 1 x Kensington lock
Back I/O	3 x HDMI® 2.0 port 1 x Intel (RJ45) 2.5G LAN 1 x Intel (RJ45) 1G LAN 1 x EDID reset 2 x Antenna Jack 1 x DC-in
TPM	fTPM 2.0 or TPM module onboard(Optional)
Power	65W adapter
Dimension	199.7 x 119.7 x 33.9 mm (0.81-liter chassis)
Weight	1.07 kg (Barebone)
Operating temperature	0-50° C (only for models that support 16 GB memory and below) 0-35° C (for all other models)

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE