

Designed to provide comprehensive solutions for office, retail, education and industrial usages in only 0.9L compact size



24/7 Reliability



12th Gen Intel Processors



DDR5 Memory



2.5" HDD or 2.5" SSD



PCIe 4.0x4 M.2 SSD



Wi-Fi 6E 802.11ax



2.5G LAN



HDMI CEC



AI noise-canceling



MyASUS



Pad lock Support



8K



4 Displays

## Maximum possibilities in only 0.9L compact size

- Powered by the latest 12<sup>th</sup> Generation Intel® Core™ processors
- Provide up to 2-times faster performance than 11<sup>th</sup> Generation CPU
- The latest memory DDR5 support
- Support one PCIe Gen4x4 SSD to deliver greater performance and lower latency
- 4 display located in the rear I/O panel including dual HDMI2.0
- Onboard 2.5GbE LAN delivering faster Ethernet connectivity

## ExpertCenter series features:

### Trustworthy

- 24/7 testing reduce maintenance cost and improve cost effectiveness
- Padlock-ring design for more security
- Eco-friendly design, recipients EPEAT Silver and ENERGY STAR

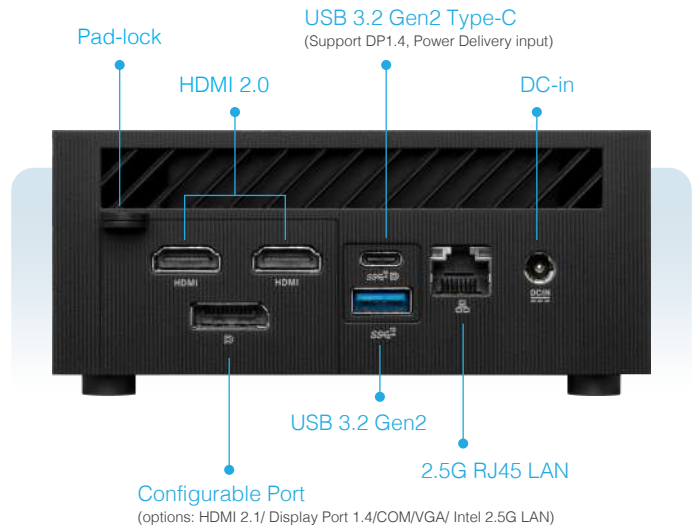
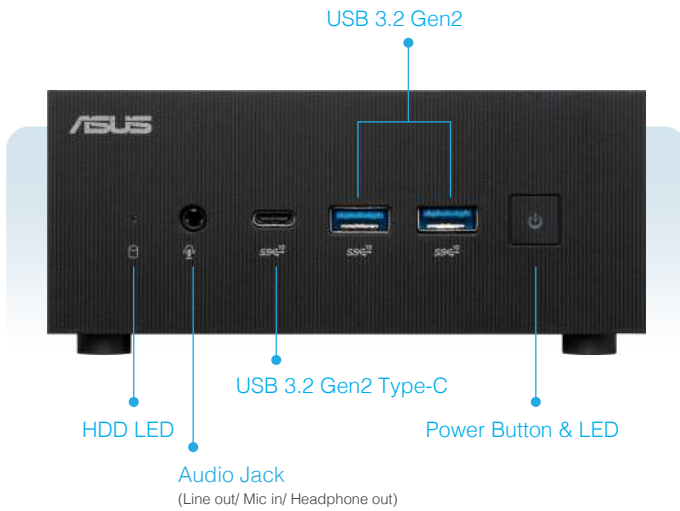
### Professionalism

- Providing the flexibility to operate fan mode depends on your needs
- ASUS Control Center option for IT Management
- Two-Way AI Noise Cancellation provides crystal-clear online voice communication

### Efficiency

- One configurable port support (options: HDMI 2.1/DP1.4/VGA/COM/2.5G LAN)
- A total of 5 USB ports to connect external devices
- 2 easy steps optimization and upgrade

## Over view:



## Accessories list:



- Power Cord
- AC Adapter (80cm)
- Quick Start Guide & Warranty Card
- VESA Mount Kit (Optional)
- Keyboard & Mouse (Optional)  
Wired / Wireless

## Feature table:

Power	
PD input	Y
Extended Power Button	N
BIOS	
AC Power loss	Y
HDMI-CEC	Y
CrashFree	Y
EZ Flash	Y
BIOS Customization	Y
PXE/WOL	Y
USB Single Port Control	Y

Security	
fTPM 2.0	Y
dTPM 2.0	optional
Kensington lock	Y
Pad-lock	Y
Chassis Intrusion	N
Reliability	
24/7 Durability Test	Y
Military-grade Durability	Y
Anti-Surge	Y
Fanless	N

Remote	
ASUS Control Center	optional
Watchdog timer	optional
ASUS Cooperate Stable Model	optional
MyLogo	N
MyASUS / CSM	
Smart Fan Control	Y
AI Noise Cancelation	Y
Wi-Fi Smart Connect	Y

<b>Model</b>		<b>PN64</b>
<b>OS</b>		Windows®11 64bit, Windows®11 Pro 64bit, Linux, or W/O OS (Please check with local rep on validated Linux version)
<b>CPU</b>		Intel® Core™ i7-12700H/ i5-12500H/ i3-1220P (cTDP:35W)
<b>Chipset</b>		Integrated
<b>Graphics</b>		Integrated - Intel® Iris® Xe Graphics (i5/i7) or Intel® UHD Graphics (i3)
<b>Memory</b>		2 x DDR5 SO-DIMM slots for DDR5 4800 MHz, 1 x 8GB - 2 x 32GB (total)
<b>Storage</b>		1 x 6Gb/s SATA connector for 2.5" 1TB HDD/SSD* 1 x M.2 2280 PCIe Gen4 slot for 128GB - 2TB SSD* (NVMe only) *For higher capacity please refer to QVL (location: official website → Support → CPU / Memory Support)
<b>Wireless Network</b>		Intel® Wi-Fi 6E or MTK Wi-Fi 6E and Bluetooth 5
<b>LAN</b>		Intel® LAN, 10/100/1000/2500 Mbps Supports Wake on LAN / PXE / Auto Power on / RTC Wake
<b>Interface</b>	<b>Front I/O</b>	1 x USB 3.2 Gen2 Type-C (10 Gbps) 2 x USB 3.2 Gen2 (10 Gbps) 1 x Audio Jack(Line out/ Mic in/ Headphone out) *All data transfer speed is according to ASUS testing result, actual performance may vary depending on objective environmental changes.
	<b>Side I/O</b>	1 x Kensington Lock
	<b>Rear I/O</b>	1 x USB 3.2 Gen2 (10 Gbps) 1 x USB 3.2 Gen2 Type-C (10 Gbps, Support DP1.4, DP) 2 x HDMI 2.0 Port 1 x Configurable Port (options: Display Port 1.4/ HDMI2.1/ COM/ VGA/ Intel® 2.5G LAN) 1 x Intel LAN (RJ45) 1 x Padlock ring 1 x DC-in *Supports up to four displays via dual HDMI, configurable port and USB 3.2 Gen2 Type-C support DP.
<b>TPM</b>		fTPM 2.0 or TPM 2.0 chip (Optional)
<b>BIOS Function</b>		64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.8, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 3, ASUS CrashFree BIOS 3, My Favorites, Quick Note and ASUS DRAM SPD (Serial Presence Detect) memory information
<b>Software</b>		The following software are included in OS: MyASUS, ASUS Product registration program, Asus Control Center test, Watchdog timer
<b>Power Supply</b>		19Vdc, 6.32A, 120W (i7-12700H/ i5-12500H) 19Vdc, 4.74A or 19.5Vdc, 4.62A 90.0W (i3-1220P)
<b>Physical</b>	<b>Dimension</b>	120 x 130 x 58 mm (0.9L)
	<b>Weight</b>	0.75 kg (barebone)
<b>Max Resolution</b>	<b>HDMI</b>	7680 x 4320 @ 60Hz
	<b>DP</b>	5120x2160 @ 60Hz
	<b>VGA</b>	1920x1080 @ 60Hz
<b>Temperature</b>	<b>Operating</b>	0°C~50°C
	<b>Storage</b>	-40°C~85°C
<b>Humidity</b>		0%~95% Relative Humidity
<b>Acoustic</b>	<b>Idle mode</b>	<25 dBA
	<b>Full loading</b>	<35 dBA * Test results will vary slightly depending on the HDD/SSD SKU selected by customer
<b>Certificates</b>		BSMI / CB / CE / FCC / UL / CCC / Energy Star / C-Tick / WiFi / RF / VCCI