ayal



intel CORE i5

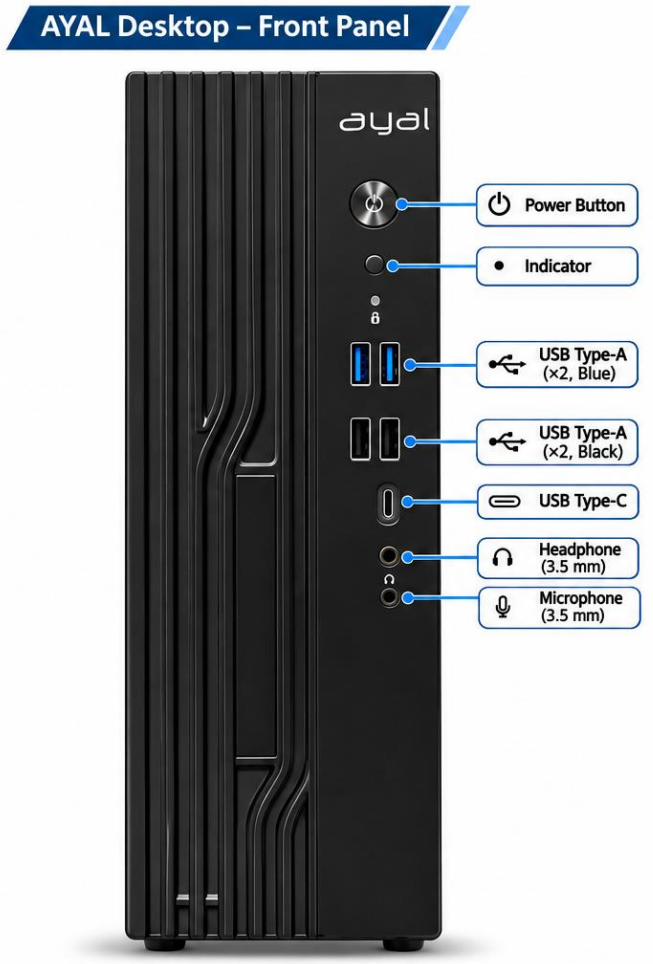
AMD RYZEN 7

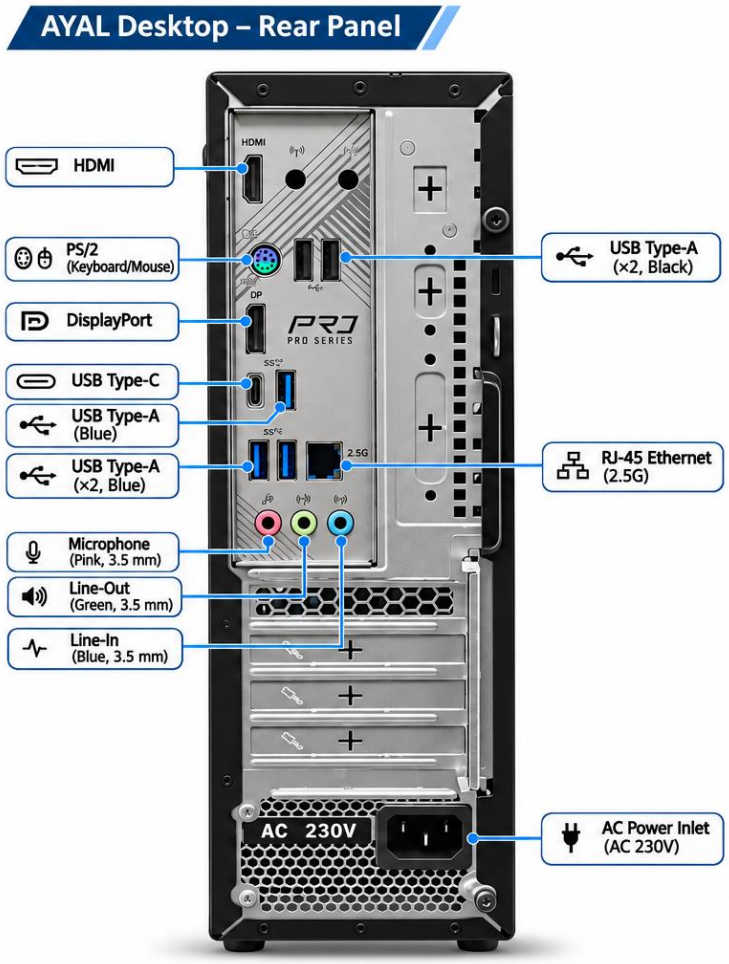
AYAL - AY-2720

Smart Design. Powerful Performance.
All-in-One Productivity.
Built for Business & Enterprise.

- High Reliability
- Enterprise Performance
- Easy Manageability
- Flexible Configuration

OVERVIEW





Processor

Processor Family

intel i3,i5,i7,i9 and Ryzen 5,7,9

Operating System

Operating System**

Windows® 10 Pro
Windows® 10 Home
Windows® 10 Home Single Language
Windows® 11 Pro
Windows® 11 Home
Windows® 11 Home Single Language
Latest Linux OS support
No preload operating system

Graphics

Graphics

Graphics	Type	Memory
Intel® UHD Graphics	Integrated	Shared
Intel® Iris® Xe Graphics[2]	Integrated	Shared
Intel® Graphics	Integrated	Shared

Notes:

The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

Intel® Iris® Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel® Iris® Xe Graphics will function as Intel® UHD Graphics.

Monitor Support

Monitor Support

Specification	Intel	AMD
Display Outputs	HDMI 2.1, DisplayPort 1.4	HDMI 2.1, USB Type-C (DisplayPort Alt Mode)
Maximum HDMI Resolution	4K @ 60Hz	4K @ 120Hz
Maximum DisplayPort Resolution	8K @ 60Hz / 5K @ 120Hz	4K @ 60Hz
Multi-Monitor Support	2 displays	2 displays
HDR Support	HDCP 2.3	HDR, HDCP 2.3
Graphics Requirement	CPU with integrated graphics	CPU with integrated graphics

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

Up to 256GB 4 X DDR5

Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

Memory Type

- DDR5-7200
  DDR5-5200

Notes:

The max memory is based on the test results with current ayal® memory offerings.

Storage

Max Storage Support

One drive, up to 1TB M.2 SSD

Storage Type

M.2 Slots	3 x M.2 PCIe Gen4 x4	4 x M.2: 1 x Gen5 x4, 2 x Gen4 x4, 1 x Gen3 x4
SATA Ports	4 x SATA3 6 Gb/s	4 x SATA3 6 Gb/s
Supported Storage	M.2 NVMe SSD, SATA SSD, SATA HDD	M.2 NVMe SSD, SATA SSD, SATA HDD

Notes:

The max capacity of each disk type is based on the test results with current ayal® storage offerings.

Removable Storage

Optical

Available based on model

Card Reader

Card reader x 1

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233-CG code

Speakers

External speakers supported

Microphone

External microphone supported

Camera

Optional external webcam

Display

External Display supported

Power Supply

Power Supply**

AC Power input 230V

DESIGN

Input Device

Keyboard**

- Keyboard (USB connector), black
- Keyboard (USB connector), white
- Wireless Keyboard,
- No keyboard

Mouse**

- Keyboard (USB connector), black
- Keyboard (USB connector), white
- Wireless Keyboard,
- No keyboard

CONNECTIVITY

Network

WLAN + Bluetooth®[1]

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card[2]

Onboard Ethernet

Gigabit Ethernet, 1x RJ-45 and 2.5 Gigabit LAN (1 × RJ-45)

Notes:

Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country.
Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.
Bluetooth® 5.2 requires Windows® 11.

Ports

Front Panel Ports

No.	Port
1	USB 2.0 Type-A
2	USB 2.0 Type-A
3	USB 3.2 Gen 1 Type-A
4	USB 3.2 Gen 1 Type-A
5	USB Type-C
6	3.5 mm Headphone / Audio Jack
7	Power Button
8	Power LED
9	Storage Activity LED

Front-panel ports depend on the AYAL chassis and connected motherboard headers.

Rear Panel Ports

Intel

No.	Port
1	USB 2.0 Type-A × 2
2	USB 3.2 Gen 1 Type-A × 3
3	USB 3.2 Gen 1 Type-C × 1
4	RJ-45 2.5Gb Ethernet
5	HDMI
6	DisplayPort 1.4
7	PS/2 Keyboard / Mouse
8	3.5 mm Line-In
9	3.5 mm Front Speaker / Line-Out
10	3.5 mm Microphone

AMD

No.	Port
1	USB 2.0 Type-A × 4
2	USB 3.2 Gen 1 Type-A × 2
3	USB 3.2 Gen 2 Type-A × 1
4	USB 3.2 Gen 2 Type-C × 1
5	RJ-45 2.5Gb Ethernet
6	HDMI
7	DisplayPort 1.4
8	Wi-Fi Antenna Connectors × 2
9	BIOS Flashback Button
10	3.5 mm Line-In
11	3.5 mm Front Speaker / Line-Out
12	3.5 mm Microphone

SECURITY & PRIVACY

Security

Security Feature	Description
Trusted Platform Module (TPM) 2.0	Supports hardware-based security features; TPM availability depends on motherboard support and configuration.
Secure Boot	Helps prevent unauthorized boot software from loading during startup.
UEFI BIOS	Provides firmware-level configuration and security controls.
BIOS Password Protection	Allows administrator and user passwords to restrict access to BIOS settings.
Windows Security Support	Supports Windows security features, subject to operating system and configuration requirements.

Notes:

The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

SERVICE

Warranty

Base Warranty**

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year limited onsite service
- 2-year courier or carry-in service
- 3-year courier or carry-in service






ayal
intel
CORE
i5

