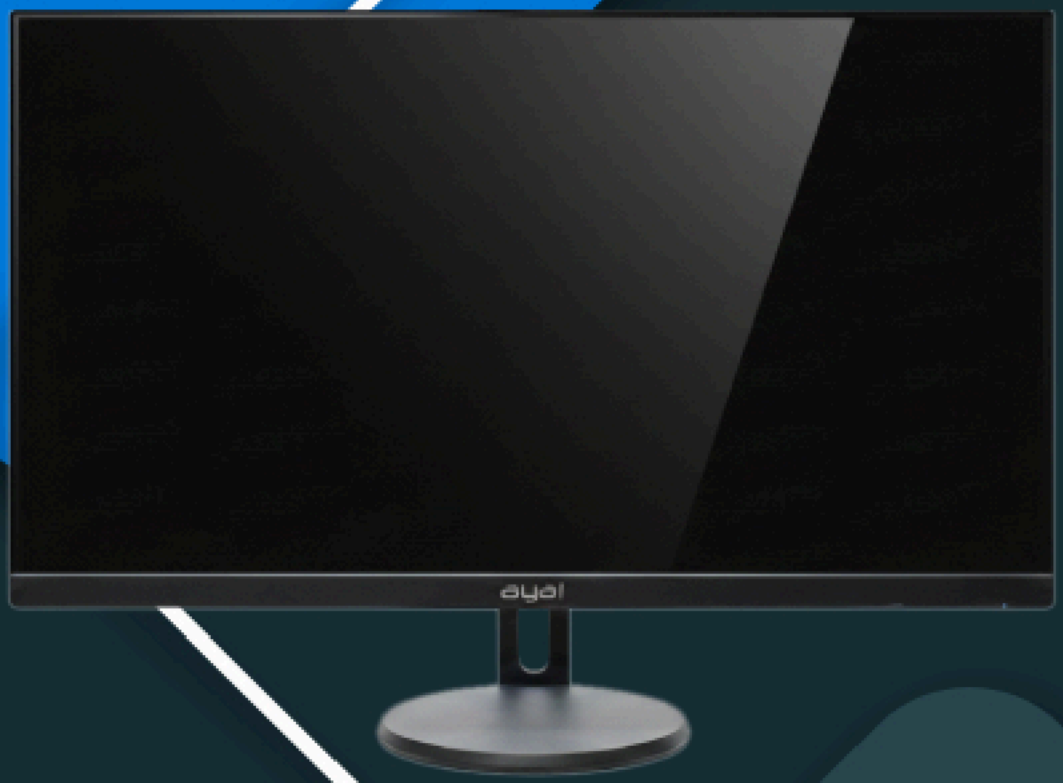
ayal

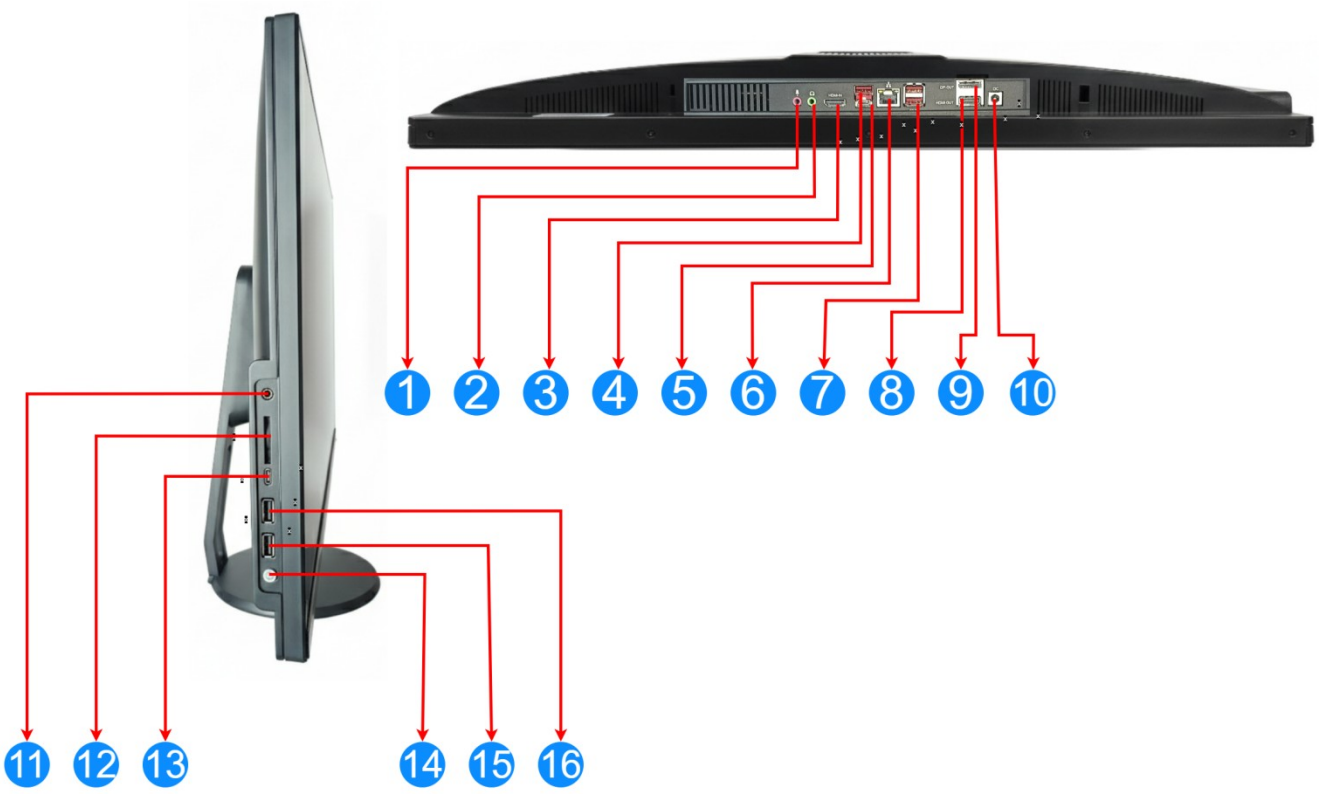


intel inside

AYAL – AY-2710

Smart Design. Powerful Performance.
All-in-One Simplicity.
Built for Work & Creativity.

OVERVIEW



1. Mic In (Pink 3.5mm jack)	9. HDMI Out
2. Audio Out (Green 3.5mm jack)	10. DC Power Input
3. HDMI Input	11. Audio Combo Jack (3.5mm)
4. USB 3.0	12. SD Card Reader
5. USB Type-C	13. USB Type-C
6. Ethernet (RJ-45)	14. Power Button
7. USB 3.0	15. USB 2.0 Port
8. Display Port Out	16. USB 2.0 Port

Processor

Processor Family

12th ,13th , 14th Generation Intel® Core i3 / i5 / i7 / i9 Processor

AMD Ryzen R3/R5/R7/R9 Processor

Operating System

Operating System**

Windows® 11 Pro

Windows® 11 Home

Windows® 11 Home Single Language

DOS

Graphics

Graphics[1]

Graphics	Type	Memory	Max Resolution	Connector	Key Features
Intel® UHD Graphics	Integrated	Shared	4096x2160@60Hz(HDMI®)	1x HDMI® 2.1 TMDS	DirectX® 12.1
Intel® Iris® Xe Graphics[2]	Integrated	Shared	4096x2160@60Hz(HDMI®)	1x HDMI® 2.1 TMDS	DirectX® 12.1
Intel® Graphics	Integrated	Shared	4096x2160@60Hz(HDMI®)	1x HDMI® 2.1 TMDS	DirectX® 12.1

Notes:

[1]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).

[2] 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

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI®

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory[1]

Up to 32GB DDR5-5200

Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

Memory Type

- DDR5-4800
- DDR5-5200

Notes:

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

Storage

Max Storage Support[1]

One drive, up to 1TB M.2 SSD

Storage Type

Disk Type	Interface
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4

Notes:

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

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

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

Speakers

Stereo speakers, 3W x2, Audio by HARMAN

Microphone

Dual-microphone array

Camera**

- 5.0-megapixel
- 5.0-megapixel IR camera

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
90W	Adapter	89%	Autosensing
135W	Adapter	90%	Autosensing

DESIGN

Display

Display**[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
27"	FHD (1920x1080)	Multi-touch	IPS	300nits	Anti-glare	16:9	1300:1	99% sRGB	100Hz	89° / 89° / 89° / 89°	Borderless design, low blue light,flicker free
27"	FHD (1920x1080)	Non-touch	IPS	300nits	Anti-glare	16:9	1300:1	99% sRGB	100Hz	89° / 89° / 89° / 89°	Borderless design, low blue light, flicker free

27"	QHD (2560x1440)	Multi-touch	IPS	350nits	Anti-glare	16:9	1300:1	99% sRGB	100HZ	horizontal: +/- 89°, vertical: +/- 89°	Borderless design, low blue light, flicker free
27"	QHD (2560x1440)	Non-touch	IPS	350nits	Anti-glare	16:9	1300:1	99% sRGB	100HZ	horizontal: +/- 89°, vertical: +/- 89°	Borderless design, low blue light, flicker free

Touchscreen

- 10-point multi-touch
- Non-touch

Notes:

[1]IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Keyboard**

- ayal® Calliope Keyboard (USB connector), black
- ayal® Calliope Keyboard (USB connector), white
- Wireless EOS Keyboard, Cloud Grey
- Wireless EOS Keyboard, Luna Grey
- No keyboard

Mouse**

- ayal® Calliope Mouse (USB connector), black
- ayal® Calliope Mouse (USB connector), white
- Wireless EOS Mouse, cloud grey
- Wireless EOS Mouse, luna grey

Mechanical

Form Factor

AIO (27 inches)

Dimensions (WxDxH)[1]

Models	Dimensions
FHD models	611.72 x 192 x 473.16 mm (24.08 x 7.55 x 18.62 inches)
QHD models	613.3 x 192.1 x 472.38 mm (24.15 x 7.56 x 18.59 inches)

Packaging Dimensions (WxDxH)

766 x 229 x 570 mm (30.16 x 9.02 x 22.44 inches)

Weight[2]

Models	Weight
FHD models	Around 7.1 kg (15.65 lbs)
QHD models	Around 7.51 kg (16.55 lbs)

Packaging Weight**

- FHD models: Around 10.9 kg (24.03 lbs)
- QHD models: Around 11.31 kg (24.93 lbs)

Case Color**

- Cloud grey
- Luna grey

Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

Stand

Monitor stand, Supports -5° to +15° tilt

Mounting

None

Others

(Optional) Wireless charger 15W

Notes:

[1]The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in ayal® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

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

Notes:

[1]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.

[2] Bluetooth® 5.2 requires Windows® 11.

Ports[1]

Rear Ports

- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 1x HDMI®-in 1.4
- 1x HDMI®-out 2.1 TMDS
- 1x Ethernet (RJ-45)
- 1x power connector

Left Ports

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only
- 1x headphone / microphone combo jack (3.5mm)

Notes:

[1] The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
USB 2.0: 480 Mbit/s;
USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;
Thunderbolt™ 3/4: 40 Gbit/s.
Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Physical Locks

No physical

locks **BIOS**

Security

- Administrator password

- Power-on password
- More BIOS security features, please visit BIOS Simulator[1]

Notes:

[1]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[1]

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 AIO AY-2710



