Wyse 5470 All-in-One Thin Client

Setup and Specifications

Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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1

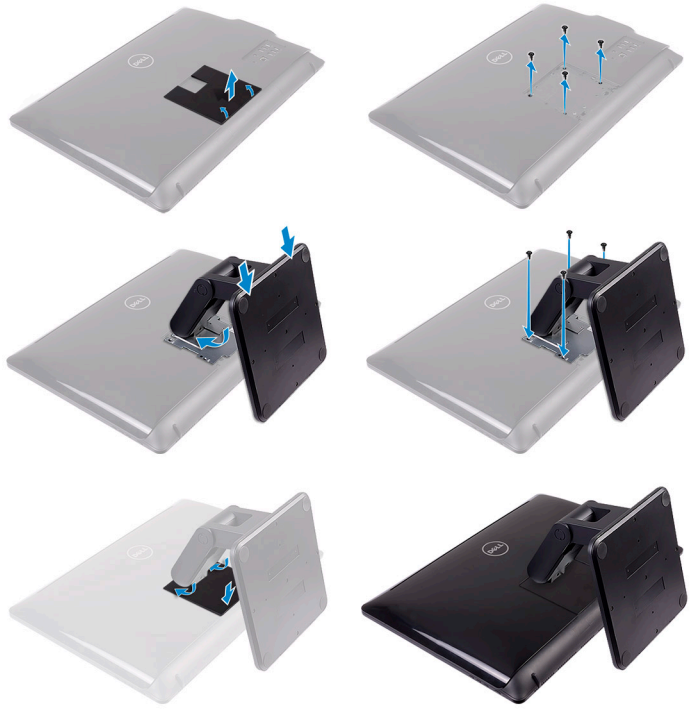
Set up your Wyse 5470 All-in-One Thin Client

NOTE: The images in this document may differ from your thin client depending on the configuration you ordered.

1. Set up the stand.

- Easel stand

- Pedestal stand



- Articulating stand

2. Connect the power adapter.

3. Press the power button.

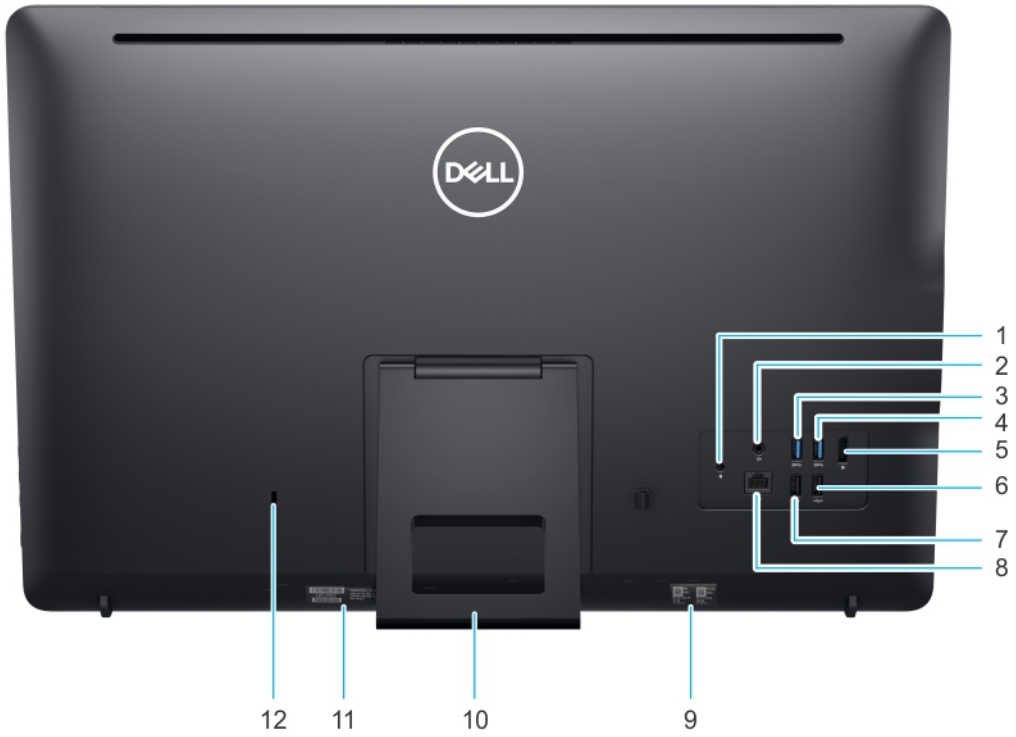
2

Views of Wyse 5470 All-in-One Thin Client

Front view

1. Left microphone
2. Camera
3. Webcam indicator
4. Right microphone
5. Mouse
6. Right internal speaker
7. Keyboard
8. Left internal speaker

Back view



1. DC-in port
2. Audio line out
3. USB 3.1 Gen 1 port
4. USB 3.1 Gen 1 port
5. DisplayPort 1.2a
6. USB 2.0 with Smart Power On
7. USB 2.0 port
8. RJ45 port
9. MAC address label
10. Stand
11. Service tag label
12. Kensington lock

Left view

1. USB 3.1 Gen 1 port
2. USB 3.1 Gen 1 port with PowerShare
3. Global audio headset port

Right view

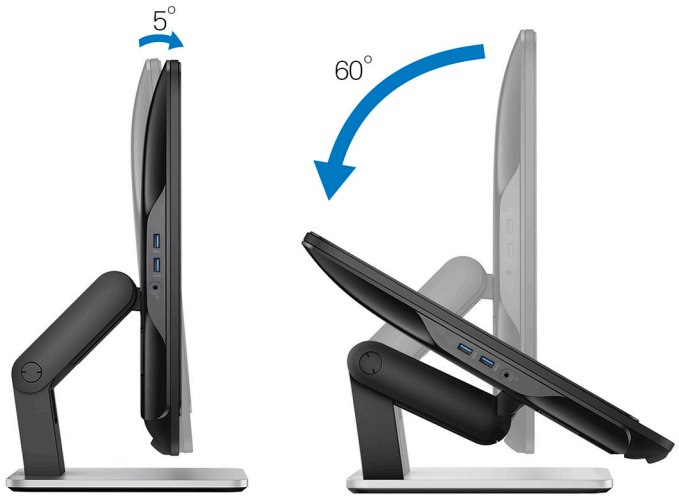
1. Power button
2. Screen-off button
3. Decrease brightness
4. Increase brightness

Tilt

Easel stand

Pedestal stand

Articulating stand



3

Specifications of Wyse 5470 All-in-One Thin Client

Physical specifications

Table 1. Physical specifications

Description	Values
Height	38.53 cm (15.16 inches)
Width	57.62 cm (22.68 inches)
Depth	5.4 cm (2.12 inches)
Starting weight	5.7 kg (12.56 lb) with Easel stand

Processor

Table 2. Processor specifications

Feature	Celeron Quad Core	Celeron Dual Core
Processor name	Intel Celeron J4105	Intel Celeron J4005
Cache	4 MB	4 MB
Number of cores	4	2
Package	25 mm X 24 mm FCBGA 1090	25 mm X 24 mm FCBGA 1090
Processor burst frequency	2.50 GHz	2.70 GHz
Processor base core frequency	1.50 GHz	2.00 GHz
Graphics base frequency	250 MHz	250 MHz
Graphics Executive Unit (EU)	12	12
Graphics maximum dynamic frequency	750 MHz	700 MHz
Supported memory technology	DDR4/LPDDR4 up to 2400 MT/s	DDR4/LPDDR4 up to 2400 MT/s
Maximum memory size	8 GB	8 GB
Supported DIMMS per channel	2	2
TjMax	105 °C	105 °C
Thermal Design Power (TDP)	10 W	10 W

Chipset

Table 3. Chipset specifications

Description	Values
Type	Integrated with the processor (Intel Gemini Lake)
Non-volatile memory on chipset	Yes
BIOS configuration Serial Peripheral Interface (SPI)	16 MB onboard SPI flash
Trusted Platform Module (TPM) 2.0 Security Device (Discrete TPM Enabled)	24 KB on TPM 2.0 on chipset
Firmware—TPM (Discrete TPM disabled)	By default, the Platform Trust Technology (PTT) feature is visible to the operating system.

Operating system

- Wyse ThinOS
- Wyse ThinOS PCoIP
- Windows 10 IoT Enterprise

Memory

Table 4. Memory specifications

Description	Values
Minimum memory configuration	4 GB (1 x 4 GB module)
Maximum memory configuration	8 GB
Number of slots	2 SODIMM
Maximum memory supported per slot	8 GB
Memory option	4 GB - 1 x 4 GB 8 GB - 1 x 8 GB 8 GB - 2 x 4 GB
Type	DDR4
Speed	2400 MHz

External ports and connectors

Table 5. Ports and connectors

Description	Values
Network	One RJ45, 10/100/1000
USB	• One USB 3.1 Gen 1 (side panel) • Two USB 3.1 Gen 1 (back panel) • One USB 3.1 Gen 1 with PowerShare (back panel) • One USB 2.0 (back panel) • One USB 2.0 with Smart Power On (back panel)
Audio	• Line-out jack • Global Headset Audio jack

Description	Values
Video	DisplayPort 1.2a
Power adapter port	One
Security	Kensington lock slot

Wireless module

Table 6. Wireless module specifications

Description	Values
Model number	Intel Dual Band Wireless AC 9560 (802.11ac) 2x2 + Bluetooth 5.0
Transfer rate	1.73 Gbps
Frequency bands supported	2.4/ 5 GHz (160 MHz)
Wireless standards	WiFi 802.11b/g/a/n/ac
Encryption	64/128-bit encryption
Bluetooth	Bluetooth 5.0

Audio

Table 7. Audio

Description	Values
High Definition Stereo support	Yes
Controller	Realtek ALC3253/ALC1302
External interface	Global headset and line out jack
Number of channels	2
Audio Jack Impedance	
Microphone	Digital dual microphone
Internal Speaker Power Rating	3 W

Storage

Your computer supports one of the following configurations:

- M.2 2230 solid-state drive
- M.2 2280 solid-state drive
- eMMC Storage (soldered on the system board)

Table 8. Storage specifications

Type	Form factor	Interface	Capacity	Operating system
M.2 2230 128GB PCIe NVMe Solid-State Drive	M.2 SSD 2230/2280	PCIe Gen 2x2 NVMe, up to 8 Gbps	128 GB	Windows 10 IoT Enterprise
M.2 2230 32 GB SATA Solid-State Drive	M.2 SSD 2230/2280	SATA AHCI, up to 6 Gbps	32 GB	Windows 10 IoT Enterprise
eMMC Storage	Soldered on the system board	eMMC v5.1, up to HS400 mode	16 GB	ThinOS and ThinOS with PCoIP

Type	Form factor	Interface	Capacity	Operating system
eMMC Storage	Soldered on the system board	eMMC v5.1, up to HS400 mode	32 GB	Windows 10 IoT Enterprise

NOTE: If shipped with the system, the M.2 SSD is the default primary drive.

Web camera

Table 9. Web camera

Description	Values
Number of cameras	One
Maximum Resolution	1 MP
Camera type	HD without IR support
Video Resolution	1280 x 720 P @ 30 fps (maximum), 720 P @ 30 fps

Power

Table 10. Power

Description	Values
Power Supply Wattage	90 W
AC input Voltage Range	100 Vac–240 Vac
AC input current (low AC range/high AC range)	1.70 A / 2.50 A
AC input Frequency	50 Hz–60 Hz
Output current	4.62 A
Rated output voltage	19.50 VDC
Temperature range: Operating	0 °C–40 °C (32 °F–104 °F)
Temperature range: Storage	–40 °C–70 °C (–40 °F–158 °F)

Display

Table 11. Display specifications

Description	Values
Type	Full HD (FHD) Non-Touch
Screen size (diagonal)	23.8 in.
Screen technology	IPS
Native resolution	1920 x 1080
High definition	Full HD
Luminance	250 cd/m2
Height	385.33 mm
Width	576.62 mm

Description	Values
Megapixels	2M
Pixels per inch (PPI)	82
Color depth	16.7 M
Contrast ratio (min)	700:1
Contrast ratio (typical)	1000:1
Response time (max)	25 mil sec
Typical Response time	14 mil sec
Refresh rate	60 Hz
View angle	178° 89°

Intel UHD 600 graphics

Table 12. Intel UHD 600 graphics

Intel UHD 600 graphics	
Bus Type	Integrated with Intel CPU
Shaders/TMUs/ROPs	96/12/3
Frame Buffer Memory Size	Shares system memory for graphics data. Up to 1.7 GB with 4-GB system memory.
Multiple display supports - Using DP 1.2a	One DisplayPort, 1.2a
Internal Panel display resolution	1920 x 1080 @ 60 Hz
Operating system graphics/API support	• DX 12 • OpenCL 2.1 • OpenGL 4.6 • Shader 6.4
External Display resolution	4096 x 2160 @ 60 Hz
Video outputs	No direct output ports. UHD 600 can optionally drive all ports on the system from the Intel chipset.
GPU clock frequency	200 Mhz with boost to 750 Mhz
Performance	• Compute - 288 GFlops • 3DMark11 Performance - 710 • Pixel rate - 1.5 GPixels/sec

System level environment and operating conditions

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 13. Computer environment

	Operating	Storage
Temperature range	0 °C to 35 °C (32 °F to 95 °F)	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G †	160 G‡
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2-ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2-ms half-sine pulse when the hard drive head is in parked position.

4

Software

This chapter details the supported operating systems along with instructions on how to install the drivers.

Topics:

- Downloading drivers

Downloading drivers

1. Turn on the thin client.
2. Go to Dell.com/support.
3. Click **Product Support**, enter the Service Tag of your thin client, and then click **Submit**.
   NOTE: If you do not have the Service Tag, use the auto detect feature or manually browse for your thin client model.
4. Click **Drivers and Downloads**.
5. Select the operating system installed on your thin client.
6. Scroll down the page and select the driver to install.
7. Click **Download File** to download the driver for your thin client.
8. After the download is complete, navigate to the folder where you saved the driver file.
9. Double-click the driver file icon and follow the instructions on the screen.

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Getting help

Topics:

- Contacting Dell

Contacting Dell

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Go to **Dell.com/support.**
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.