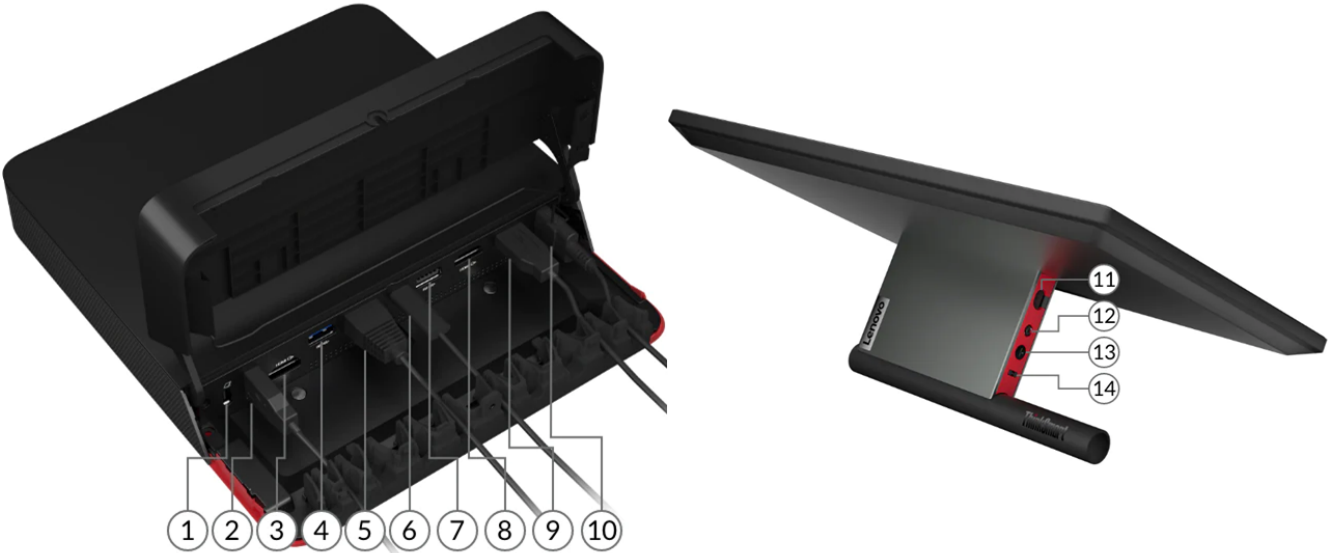


OVERVIEW



1. USB-C 3.2 Gen 1 (for Controller)	8. HDMI-out 1.4
2. USB 3.2 Gen 1	9. Power connector
3. HDMI-out 1.4	10. HDMI-in *
4. USB 3.2 Gen 2	11. USB-C 2.0 (for Core)
5. Ethernet (RJ-45)	12. Headphone / microphone combo jack (3.5mm)
6. Thunderbolt 4	13. Screw for security plate
7. USB-C 3.2 Gen 2	14. Kensington MiniSaver lock slot

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i5 Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core™ i5-1145G7E	4	8	1.5GHz	4.1GHz ^[1]	8MB	DDR4-3200	Intel® Iris® Xe Graphics

Notes:

[1] Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see <http://www.intel.com/technology/turboboost/> for more information.

Operating System

Operating System**

- Windows® 11 IoT Enterprise for Collaboration GAC 64
- Windows® 10 IoT Enterprise for Collaboration SAC 64

Graphics

Graphics

Graphics	Type	Memory	Connector	Max Resolution
Intel® Iris® Xe Graphics	Integrated	Shared	2x HDMI®	3840x2160@24Hz(HDMI®)

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

16GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

DDR4-3200

Storage

Storage Support

One drive, up to 256GB SSD

Storage Type

Disk Type	Interface
M.2 2280 SSD	PCIe® NVMe®, PCIe® 3.0 x4
M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x4

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
90W	Adapter	89%	Autosensing

DESIGN

Mechanical

Component Options**

Product	Compute System	Controller	Audio Bar	Microphone Component	Camera Component
ThinkSmart™ Core™ Full Room Kit (ThinkSmart™ Controller)	1x ThinkSmart™ Core™	1x ThinkSmart™ Controller	1x ThinkSmart™ Bar	(Optional) 2x Satellite Microphone	1x ThinkSmart™ Cam
ThinkSmart™ Core™ Full Room Kit (ThinkSmart™ Controller + ThinkSmart™ Bar 180)	1x ThinkSmart™ Core™	1x ThinkSmart™ Controller	1x ThinkSmart™ Bar 180	-	-
ThinkSmart™ Core™ + ThinkSmart™ Controller	1x ThinkSmart™ Core™	1x ThinkSmart™ Controller	-	-	-
ThinkSmart™ Core™ Full Room Kit (Lenovo® IP Controller)	1x ThinkSmart™ Core™	1x Lenovo® IP Controller	1x ThinkSmart™ Bar	(Optional) 2x Satellite Microphone	1x ThinkSmart™ Cam
ThinkSmart™ Core™ Full Room Kit (Lenovo® IP Controller + ThinkSmart™ Bar 180)	1x ThinkSmart™ Core™	1x Lenovo® IP Controller	1x ThinkSmart™ Bar 180	-	-
ThinkSmart™ Core™ + Lenovo® IP Controller	1x ThinkSmart™ Core™	1x Lenovo® IP Controller	-	-	-

Controller**

Component Name	Display	Sensors	Multi-touch	Ports	Key Features
Lenovo® IP Controller	<ul style="list-style-type: none">• 10.1" Display, HD (1280x800)• 360 nits brightness• 16:10 aspect ratio• Anti-Fingerprint	Human Presence Sensor	10-point touch	<ul style="list-style-type: none">• 1x Gigabit Ethernet (RJ-45)• 1x Kensington® Security Slot™• 1x HDMI®-in• 1x Power Connector (on Link Box)• 1x Gigabit Ethernet (RJ-45, on Link Box)• 1x HDMI® out (on Link Box)• 1x USB-B (on Link Box)	Wall mountable (For wall mounting, mount kits are needed. The kits are sold separately and coming soon)
ThinkSmart™ Controller	<ul style="list-style-type: none">• 10.1" Display, HD (1280x800)• Up to 340 nits brightness• 16:10 aspect ratio• Anti-Fingerprint, Anti-Glare• 30° or 60° rotatable	IR sensors for motion detection, up to 3 meters distance and 90° angle	10-point touch	<ul style="list-style-type: none">• 1x USB-C® (connect to compute unit, 10m USB-C® cable included)• 1x 3.5mm headphone / mic combo jack• 1x Kensington® MiniSaver Security Slot	-

Audio Bar***

Component Name	Speaker	Microphone	Camera	Noise Control	Ports	Key Features
ThinkSmart™ Bar	<ul style="list-style-type: none">• 4x Speaker units, with power output 20+20W• Up to 97dB to cover large meeting room• 250 Hz to 20	<ul style="list-style-type: none">• 4x Forming mic array, with 180° coverage• 300 Hz to 8 KHz frequency range	-	Built-in DSP for echo and noise-cancellation	<ul style="list-style-type: none">• 1x USB-C® (USB 2.0, connect to ThinkSmart™ Core™ compute unit)• 1x AUX in (connect to Mic Pod)	<ul style="list-style-type: none">• Bluetooth® 5.0 (A2DP, SBC, MPEG-4, AAC)• (Optional) Wall and TV mounting

	KHz frequency range					
ThinkSmart™ Bar 180	<ul style="list-style-type: none">• 4x Speaker (2x woofer, 2x tweeter)• Stereo audio out• 80 Hz to 20 KHz frequency range	<ul style="list-style-type: none">• 8x microphone beamforming array• -37dBFS sensitivity• 100 Hz to 8 KHz frequency range	<ul style="list-style-type: none">• 3x Camera• 13 megapixels• Up to 3840 x 1080@30fps• 180° Horizontal FoV, 54° Vertical FoV	Noise Cancellation support	<ul style="list-style-type: none">• 1x USB-C®• 1x USB 3.2 Gen 1• 1x RJ 45	<ul style="list-style-type: none">• Integrated People Count• Automatic Speaker Detection• Intelligent Zoom• Bluetooth® connection for Remote Controller• Wall mount kit
No Audio Bar	-	-	-	-	-	-

Microphone Component**

Component Name	Capturing Range	Ports
Satellite Microphone	1m 360 degree omni direction	<ul style="list-style-type: none">• 1x Mic out (connect to ThinkSmart™ Bar)• 1x Mic in (connect to next Mic Pod)
No Microphone	-	-

Camera Component**

Component Name	Image	Optics	Ports	Key Features
ThinkSmart™ Cam	<ul style="list-style-type: none">• Up to 4K at 30fps resolutions (USB 3.2 Gen 1 Cable)	<ul style="list-style-type: none">• 100° Horizontal FoV• 68° Vertical FoV• 125° Diagonal FoV	1x USB-C® (connect to ThinkSmart™ Core™ compute unit)	<ul style="list-style-type: none">• Standalone (tabletop), (Optional) Wall and TV mounting• Image output format:MPEG, H.264, YUV• UVC (USB Video Class) 1.1 plug-and-play support• AI conference meeting function: auto zoom, auto framing, people counting, speaker tracking, whiteboard awareness• HDR (High Dynamic Range) support
No Camera	-	-	-	-

Dimensions (WxDxH)^[1]

Models	Dimensions
ThinkSmart™ Cam	105 x 60.5 x 36 mm (4.1 x 2.4 x 1.4 inches)
ThinkSmart™ Core™	226 x 200 x 37.5 mm (8.9 x 7.9 x 1.5 inches)
ThinkSmart™ controller	265.5 x 13 x 168.1 mm (10.5 x 0.5 x 6.6 inches)
ThinkSmart™ controller with stand	265.5 x 83.3 x 168.1 mm (10.5 x 3.3 x 6.6 inches)
ThinkSmart™ Bar	800 x 90 x 55 mm (31.5 x 3.5 x 2.2 inches)
Lenovo® IP controller	248 x 151 x 100 mm (9.76 x 5.94 x 3.94 inches)
Satellite Microphone	<ul style="list-style-type: none">• Diameter: 100 mm (3.9 inches)• Height: 20 mm (0.8 inches)

Weight^[2]

Models	Weight
ThinkSmart™ Core™	1.1 kg (2.4 lbs)
Satellite Microphone	220 g (0.5 lbs)
ThinkSmart™ Cam	220 g (0.5 lbs)
ThinkSmart™ Bar	1.9 kg (4.2 lbs)
ThinkSmart™ controller	753.8 g (1.7 lbs)

Lenovo® IP controller	Around 0.97 kg (2.16 lbs)
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Notes:

- [1] The system dimensions may vary depending on configurations.
- [2] The system weight is approximate and based on results in Lenovo® 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

Ethernet

Gigabit Ethernet, Intel® Ethernet Connection I219-LM, 1x RJ-45, supports Wake-on-LAN

WLAN + Bluetooth®**

- Intel® Wireless-AC 9260, Wi-Fi® 5, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth® 5.0, Intel® vPro® technology support, M.2 card
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.0, Intel® vPro® technology support, M.2 Card

Ports^[1]

Rear Ports^[2]

- 1x Thunderbolt™ 4
- 1x USB-C® 3.2 Gen 1
- 1x USB-C® 3.2 Gen 2
- 1x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x HDMI®-in
- 2x HDMI®-out 1.4
- 1x Ethernet (RJ-45)
- 1x power connector

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.
- [2] Ports on Compute System (ThinkSmart™ Core™) only. Components' ports refer to components' specifications.

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington® Security Slot™

BIOS Security

- Hard disk password
- Power-on password
- Smart USB protection
- Supervisor password

MANAGEABILITY

System Management

System Management

Intel® vPro® with Intel® AMT 15

SERVICE

Warranty^[1]

Base Warranty

3-year limited onsite service

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

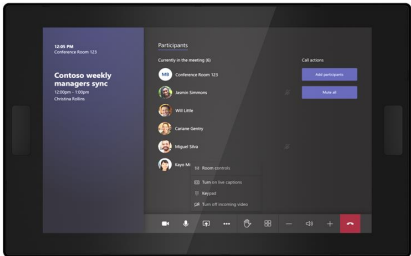
SOFTWARE

Preinstalled Software

Preinstalled Software

Microsoft® Teams Rooms

- This is a telepresence technology product.
- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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OVERVIEW



1. Kensington Security Slot	5. Ethernet (RJ-45)
2. USB-C 3.2 Gen 1	6. 2x USB-A 3.2 Gen 1
3. DP 1.2	7. Power connector
4. DP 1.2 out	8. USB-C 3.2 Gen 1

PERFORMANCE

Processor

Processor Family

Qualcomm® Snapdragon® Processor

Processor

Processor Name	Cores	Threads	Max Frequency	Cache	Memory Support	Processor Graphics
Qualcomm® QCS8250	Qualcomm® Kryo 585 Octa-core: 4x Kryo Gold + 4x Kryo Silver	8	Kryo Gold@2.85GHz / Kryo Silver@1.8GHz	4MB	LPDDR5	Qualcomm® Adreno™ 650

Operating System

Operating System

Android™ 10

Graphics

Graphics

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Qualcomm® Adreno™ 650 GPU	Integrated	Shared	DP	3840x2160@30Hz	DirectX® 12

Monitor Support

Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor (ThinkSmart™ View Plus needs to connect another computer via DP / USB-C®, and external monitor does not work under Teams APP)

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

8GB soldered LPDDR5

Memory Slots

Memory soldered to systemboard, no slots

Memory Type

LPDDR5

Storage

Storage Support

128GB UFS 3.1 on systemboard

Storage Type

Disk Type	Interface	Offering
Flash Memory	UFS 3.1	128GB

Multi-Media

Audio Chip

High Definition (HD) Audio, ALC4050H codes and ALC 5520 DSP

Speakers

5W x 2 Stereo speakers, detachable Soundbar (magnetic)

Microphone

Quad-microphone array

Camera

4k Camera, LED Indicator, USB Detachable with privacy shutter
Image Resolution: 8M
Active Array Size: 3840 x 2160

Sensor

Sensors

- Ambient light sensor (ALS)
- Proximity (P) sensor

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
135W	Adapter	89%	Autosensing

DESIGN

Display

Display^[1]

Size	Resolution	Touch	Type	Surface	Aspect Ratio	Contrast Ratio	Key Features
27"	FHD (1920x1080)	Multi-touch	IPS	Anti-glare	16:9	1000:1	anti-fingerprint

Touchscreen

Supports 10-point touch

Notes:

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

Input Device

Keyboard

No keyboard

Mouse

No mouse

Mechanical

LED indicators

Status (mute/in meeting/off) LED on camera

Buttons

- Main body: Power Button, Mode Switch, Recovery Button
- Speaker bar: Vol Up, Vol Down, Speaker Mute, Mic Mute

Dimensions (WxDxH)^[1]

615.3 x 273 x 600 .6 mm (24.22 x 10.75 x 23.65 inches)

Weight^[2]

Around 12.6 kg (27.78 lbs)

Case Color

Black

Stand

Adjustable monitor stand, supports -5° to +35° tilt, left & right 45° swivel, up to 110mm lift, with Cell Phone Stand

Others

Supports VESA mount 200 x 200 mm. (For supporting VESA mount, additional mount kits are needed. The kits are sold separately)

Notes:

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

[2] The system weight is approximate and based on results in Lenovo® 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

Ethernet

Gigabit Ethernet, 1x RJ-45

WLAN + Bluetooth®

Qualcomm® Wi-Fi® 6 QCA6391, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1^[1]

Notes:

[1] Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

Ports^[1]

Top Ports

1x USB-C® 3.2 Gen 1 and camera pin hole (for camera only)

Bottom Ports

- 1x DisplayPort™ 1.2 in
- 1x DisplayPort™ 1.2 out (works only when there is DisplayPort™ input from a computer)
- 1x Ethernet (RJ-45)
- 1x Power connector
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery 2.0 and DisplayPort™ 1.2)
- 2x USB-A 3.2 Gen 1

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.

SECURITY & PRIVACY

Security

Physical Locks

Kensington® Security Slot™

Other Security

- Camera privacy shutter
- Facial recognition
- Meeting status light

SERVICE

Warranty^[1]

Base Warranty**

- 3-year courier or carry-in service
- 3-year limited onsite service

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of

warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

ACCESSORIES

Bundled Accessories

Bundled Accessories

Viewplus Stylus Pen, passive

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

Other Certifications

Other Certifications

TÜV Rheinland® Low Blue Light

SOFTWARE

Preinstalled Software

Preinstalled Software

Microsoft® Teams Display APP

- This is a telepresence technology product.
- Feature with ** means that only one offering listed under the feature is configured on selected models.
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