## OVERVIEW




| | |
|---|---|
| 1. Bring your Own Meeting (BYOM) connector * | 6. 2x USB-C (USB 10Gbps) |
| 2. HDMI-in * | 7. HDMI-out 2.1 TMDS |
| 3. 3x USB-A (USB 5Gbps), with BYOM | 8. Ethernet (RJ-45) |
| 4. USB-A (Hi-Speed USB), with IP Controller | 9. HDMI-out 2.1 TMDS |
| 5. Power connector | |

Notes:

- Items with * are only available on selected models

# PERFORMANCE

## Compute Unit

**Compute Unit**[1]

| Features | Information |
|---|---|
| Processor (Two Options) | (Optional 1) Intel® Core™ Ultra 5 135H, 14C (4P + 8E + 2LPE) / 18T, Max Turbo up to 4.6GHz, 18MB<br>(Optional 2) Intel® Core™ Ultra 7 165H, 16C (6P + 8E + 2LPE) / 22T, Max Turbo up to 5.0GHz, 24MB |
| Operating System | Windows® 11 IoT Enterprise for Collaboration GAC 64 |
| Graphics | Integrated Intel® Arc™ Graphics. Max Resolution: 3840x2160@60Hz(HDMI® 2.1 TMDS) |
| Chipset | Intel® SoC (System on Chip) platform |
| Memory (Two Options) | (Optional 1) 16GB (2x 8GB) DDR5 5600 SO-DIMM, Dual-Channel<br>(Optional 2) 32GB (2x 16GB) DDR5 5600 SO-DIMM, Dual-Channel |
| Storage | One drive, 256GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0 |
| Power Supply (Two Options) | (Optional 1) 135W 89% Adapter, autosensing, without BYOM<br>(Optional 2) 170W 89% Adapter, autosensing, with BYOM |
| Onboard Ethernet | Gigabit Ethernet, Intel® Ethernet Connection I219-LM, 1x RJ45 |
| WLAN + Bluetooth® | Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, Intel® vPro® technology support, M.2 Card |
| Case Color | Black |
| Rear Ports | • 2x USB-C® (USB 10Gbps / 3.2 Gen 2), with 15W power supply and DisplayPort™ 1.4<br>• (Optional) 1x USB-C® in (USB 5Gbps / USB 3.2 Gen 1), with BYOM and 45W power supply<br>• 3x USB-A (USB 5Gbps / USB 3.2 Gen 1)<br>• 1x USB-A (Hi-Speed USB / USB 2.0), with IP controller<br>• (Optional) 1x HDMI®-in<br>• 2x HDMI®-out 2.1 TMDS<br>• 1x Ethernet (RJ-45)<br>• 1x Power connector |
| Dimension (WxDxH) | with cable management with rubber feet: 185 x 220 x 42.8 mm (7.28 x 8.66 x 1.69 inches)<br>with cable management without rubber feet: 185 x 220 x 38 mm (7.28 x 8.66 x 1.5 inches)<br>without cable management: 185 x 140 x 38 mm (7.28 x 5.51 x 1.5 inches) |
| Weight | with cable management: 1.01 kg (2.23 lbs)<br>without cable management: 0.86 kg (1.90 lbs) |
| BIOS Security | • Supervisor password<br>• Power-on password<br>• Hard disk password |
| Security Chip | Discrete TPM 2.0, TCG certified |
| Physical Locks | Kensington® Security Slot™ |

Notes:

[1] Bring Your Own Meeting(BYOM) mode setting by BIOS setup or by ThinkSmart® Manager Portal

# DESIGN

## Mechanical

**Component Options****

| Product | Compute System | Controller | Audio Bar |
|---|---|---|---|
| ThinkSmart® Core Gen 2 | 1x ThinkSmart® Core Gen 2 | - | - |
| ThinkSmart® Core Gen 2+CTRL | 1x ThinkSmart® Core Gen 2 | 1x ThinkSmart® Controller | - |
| ThinkSmart® Core Gen 2+IPCTRL | 1x ThinkSmart® Core Gen 2 | 1x Lenovo® IP Controller | - |

| | | | |
|---|---|---|---|
| ThinkSmart® Core Gen 2 FRK | 1x ThinkSmart® Core Gen 2 | 1x ThinkSmart® Controller | 1x ThinkSmart® Bar 180 |
| ThinkSmart® Core Gen 2 IPFRK | 1x ThinkSmart® Core Gen 2 | 1x Lenovo® IP Controller | 1x ThinkSmart® Bar 180 |

## Controller

### ThinkSmart® Controller

| Features | Information |
|---|---|
| Display | • 10.1" Display, 1280x800<br>• 10-point touch<br>• Up to 340 nits brightness<br>• 16:10 aspect ratio<br>• 30° and 60° rotatable<br>• Anti-Fingerprint, Anti-Glare |
| Ports | • 1x USB-C® (connect to compute unit, 10m USB-C® cable incluided)<br>• 1x 3.5mm headphone / mic combo jack |
| Security | Kensington® MiniSaver Security Slot |
| Dimension (WxDxH) | 265.5 x 13 x 168.1 mm (10.5 x 0.5 x 6.6 inches) |
| Weight | 753.8 g (1.7 lbs) |

### Lenovo® IP Controller

| Features | Information |
|---|---|
| Display | • 10.1" Display, 1280x800<br>• 10-point touch<br>• Up to 340 nits brightness<br>• 16:10 aspect ratio<br>• 30° and 60° rotatable<br>• Anti-Fingerprint, Anti-Glare |
| Ports | • 1x Gigabit Ethernet (RJ-45)<br>• 1x HDMI®-in<br>• 1x Power Connector (on Link Box)<br>• 1x Gigabit Ethernet (RJ-45, on Link Box)<br>• 1x HDMI® out (on Link Box)<br>• 1x USB-B (on Link Box) |
| Security | Kensington® MiniSaver Security Slot |
| Dimension (WxDxH) | 248 x 151 x 100 mm (9.76 x 5.94 x 3.94 inches) |
| Weight | 0.97 kg (2.16 lbs) |

## Audio Bar

### ThinkSmart® Bar 180

| Features | Information |
|---|---|
| Audio | • 4x Speaker (2x woofer, 2x tweeter)<br>• Stereo audio out<br>• 80 Hz to 20 KHz frequency range |
| Microphone | • 8x microphone beamforming array<br>• -37dBFS sensitivity<br>• 100 Hz to 8 KHz frequency range |
| Camera | • 3x Camera<br>• Up to 3840 x 1080@30fps<br>• 16:10<br>• 13 megapixels<br>• Panoramic 4K<br>• 180° Horizontal FoV, 54° Vertical FoV |
| Ports | • 1x USB-C®<br>• 1x USB-A<br>• 1x RJ 45 |
| Dimension (WxDxH) | 650 x 80 x 125 mm (25.6 x 3.1 x 4.9 inches) |

| | |
|---|---|
| Weight | 2.2 kg (4.85 lbs) |

# MANAGEABILITY

## System Management

**System Management**

Intel® vPro® Enterprise

# 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://support.lenovo.com/warrantylookup/warrantypolicy.

# ACCESSORIES

## Bundled Accessories

**Bundled Accessories*****

- (Optional) External adapter cage
- (Optional) Lenovo® BYOM Cable for ThinkSmart® Core Gen 2 - USB-C® to USB-C® 3m
- (Optional) Lenovo® BYOM Cable for ThinkSmart® Core Gen 2 - USB-C® to USB-C® 5m (non-Display)
- (Optional) Removable cable management box
- (Optional) VESA mount bracket

# CERTIFICATIONS

## Other Certifications

**Other Certifications**

Microsoft® Teams Certification

# SOFTWARE

## Preinstalled Software

**Preinstalled Software**

Microsoft® Teams Rooms

- This is a telepresence technology product.
- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
- Feature with *** means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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