## OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PC / monitor mode switch</td>
</tr>
<tr>
<td>2</td>
<td>HDMI-in</td>
</tr>
<tr>
<td>3</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>4</td>
<td>HDMI 1.4 out</td>
</tr>
<tr>
<td>5</td>
<td>2x USB 2.0</td>
</tr>
<tr>
<td>6</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>7</td>
<td>Power connector</td>
</tr>
<tr>
<td>8</td>
<td>Card reader</td>
</tr>
<tr>
<td>9</td>
<td>2x USB 3.2 Gen 1</td>
</tr>
<tr>
<td>10</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor
Processor Family
10th Generation Intel® Core™ i3 / i5 / i7 Processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i3-10100T</td>
<td>4</td>
<td>8</td>
<td>3.0GHz</td>
<td>3.8GHz</td>
<td>6MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i5-10400T</td>
<td>6</td>
<td>12</td>
<td>2.0GHz</td>
<td>3.6GHz</td>
<td>12MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i7-10700T</td>
<td>8</td>
<td>16</td>
<td>2.0GHz</td>
<td>4.5GHz</td>
<td>16MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

Operating System
Operating System
- Windows® 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Connector</th>
<th>Max Resolution</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel UHD Graphics 630</td>
<td>Integrated</td>
<td>Shared</td>
<td>1x HDMI* 1.4</td>
<td>1920x1080@60Hz(HDMI)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA® GeForce® MX330</td>
<td>Discrete</td>
<td>2GB GDDR5</td>
<td>1x HDMI 1.4</td>
<td>1920x1080@60Hz(HDMI)</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>

Notes:
1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Monitor Support
Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI; work as standalone monitor via HDMI (HDMI in)

Chipset

Chipset
Intel B460 chipset

Memory

Max Memory
Up to 32GB DDR4-3200

Memory Slots
Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type
- DDR4-2666
- DDR4-2933

Memory Protection
Non-ECC

Notes:
1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
2. Installed memory is actually 2666MHz or 2933MHz, but may run at 2666MHz or 2933MHz depending on the memory support capability of processor

Storage
Storage Support
Up to two drives, 1x 2.5” HDD + 1x M.2 SSD
• 2.5” HDD up to 2TB
• M.2 SSD up to 1TB
• Optional Intel Optane™ Memory or Optane Memory Integrated with SSD, M.2

<table>
<thead>
<tr>
<th>Storage Type***</th>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5” SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>5.4K</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe* NVMe*</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Intel Optane Memory</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Intel Optane Memory with Solid State Storage, M.2 2280</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

RAID
No support

Removable Storage
Optical
• USB external DVD burner (DVD±RW), slim (9.0mm)
• None

Card Reader
3-in-1 card reader (SD, SDHC, SDXC)

Multi-Media
Audio Chip
High Definition (HD) Audio

Speakers
Stereo speakers, 3W x2 + 5W

Microphone
Dual array microphone

Camera**
• 720p, fixed focus
• IR & 1080p, fixed focus

Power Supply

<table>
<thead>
<tr>
<th>Power Supply**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Type Efficiency Key Features</td>
</tr>
<tr>
<td>90W Adapter - -</td>
</tr>
<tr>
<td>120W Adapter - -</td>
</tr>
<tr>
<td>150W Adapter - -</td>
</tr>
</tbody>
</table>

DESIGN
Display

<table>
<thead>
<tr>
<th>Display**[1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Resolution Touch Type Brightness Surface Aspect Ratio Contrast Ratio Color Gamut Viewing Angle Key Features</td>
</tr>
<tr>
<td>23.8” FHD (1920x1080) None IPS 250 nits Anti-glare 16:9 1000:1 100% sRGB horizontal: +/- 89°, vertical: +/- 89° Borderless design, anti-glare</td>
</tr>
<tr>
<td>23.8” FHD None IPS 250 nits Anti- 16:9 1000:1 - horizontal: +/- Borderless</td>
</tr>
</tbody>
</table>
### IdeaCentre AIO 5 24IMB05

<table>
<thead>
<tr>
<th>Screen size</th>
<th>Panel type</th>
<th>Resolution</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Viewing Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.8&quot; FHD (1920x1080)</td>
<td>Multi-touch IPS</td>
<td>250 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1000:1</td>
<td>horizontal: +/- 89°, vertical: +/- 89°</td>
</tr>
</tbody>
</table>

**Design & Display**

- **Touchscreen**
  - Advanced In-cell Touch (AIT), supports 10-point touch
  - Non-touch

**Notes:**

1. California Electronic Waste Recycling Fee
   In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product.
   For more information, go to [https://www.calrecycle.ca.gov/Electronics/Consumer](https://www.calrecycle.ca.gov/Electronics/Consumer)

### Input Device

**Keyboard**

- Lenovo Premium Wireless Keyboard, grey
- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard, black

**Mouse**

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Premium Wireless Mouse, grey

### Mechanical

**Buttons**

- Power button
- PC / monitor mode switcher

**Form Factor**

AIO (23.8 inches)

**Dimensions (WxDxH)**

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>450.9 x 185 x 435.19 mm (17.75 x 7.28 x 17.13 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>10.74 kg (23.67 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**

Business black

**Bays**

1x 2.5" disk bay

**Expansion Slots**

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

**Stand**

- Monitor stand, supports -5° to +25° tilt
- AIO stand

**Others**

(Optional) Wireless charger

### CONNECTIVITY

**Network**

Onboard Ethernet
Gigabit Ethernet, 1x RJ45

WLAN + Bluetooth®:
- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

Ports:

Rear Ports:
- 2x USB 2.0
- 1x USB 3.2 Gen 1
- 1x HDMI-out 1.4
- 1x HDMI-in
- 1x Ethernet (RJ-45)
- 1x power connector

Left Ports:
- 2x USB 3.2 Gen 1
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)

Right Ports:
None

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;
   USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   Thunderbolt™ 3: 40 Gbit/s;
   FireWire 400: 400 Mbit/s;
   FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

SECURITY & PRIVACY

Security
BIOS Security
- Administrator password
- Power-on password

SERVICE

Warranty
Base Warranty:
- 1-year mail-in service
- 1-year depot service
- 1-year limited onsite service
- 2-year depot service
- OB

ENVIRONMENTAL

Operating Environment
Temperature
- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -20°C (-4°F) to 60°C (140°F)
Humidity
- Operating: 20% to 80%
• Storage: 10% to 90%

**Altitude**
• Operating: 0 m (0 ft) to 3048 m (10,000 ft)
• Storage: 0 m (0 ft) to 12192 m (40,000 ft)

**CERTIFICATIONS**

**Green Certifications**

• ENERGY STAR® 8.0
• ErP Lot 3 and Lot 7
• RoHS compliant

• 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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