OVERVIEW

1. 2x USB 2.0
2. 2x USB 3.2 Gen 1
3. Headphone (3.5mm)
4. Power button
5. Microphone (3.5mm)
6. 4x USB 2.0
7. USB-C 3.2 Gen 2
8. USB 3.2 Gen 2
9. 2x USB 3.2 Gen 1
10. Ethernet (RJ-45)
11. 6x Audio line-out (3.5mm)
12. Optional ports on expansion cards
13. Power connector
PERFORMANCE

Processor

Processor Family

10th Generation Intel® Core™ i7 / i9 or 11th Generation Intel Core i7 / i9 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 i7-10700K</td>
<td>8</td>
<td>16</td>
<td>3.8GHz</td>
<td>5.1GHz</td>
<td>16MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i7-10700KF</td>
<td>8</td>
<td>16</td>
<td>3.8GHz</td>
<td>5.1GHz</td>
<td>16MB</td>
<td>DDR4-2933</td>
<td>-</td>
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<td>16</td>
<td>3.6GHz</td>
<td>5.0GHz</td>
<td>16MB</td>
<td>DDR4-3200</td>
<td>Intel UHD Graphics 750</td>
</tr>
<tr>
<td>Core i9-10850K</td>
<td>10</td>
<td>20</td>
<td>3.6GHz</td>
<td>5.2GHz</td>
<td>20MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i9-10900K</td>
<td>10</td>
<td>20</td>
<td>3.7GHz</td>
<td>5.3GHz</td>
<td>20MB</td>
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<td>DDR4-3200</td>
<td>-</td>
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</tbody>
</table>

Notes:
1. Intel UHD Graphics 630 in processor is disabled

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

Graphics**[1]

<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>AMD Radeon™ RX 6800XT</td>
<td>Discrete</td>
<td>16GB GDDR6</td>
<td>1x HDMI® 2.1, 2x DP 1.4, 1x USB-C 3.2 Gen2</td>
<td>7680x4320@120Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA® GeForce® RTX™ 2060 CD</td>
<td>Discrete</td>
<td>6GB GDDR6</td>
<td>1x HDMI 2.0b, 3x DP 1.4</td>
<td>4096x2160@60Hz (HDMI), 7680x4320@60Hz with DSC (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2070 CD</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>1x HDMI 2.0b, 3x DP 1.4</td>
<td>7680x4320@60Hz (DP)</td>
<td>DirectX 12 VR ready</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2070 SUPER</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>1x HDMI 2.0b, 1x USB-C Gen 2, 3x DP 1.4</td>
<td>7680x4320@60Hz (DP)</td>
<td>DirectX 12 VR ready</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 2080 SUPER</td>
<td>Discrete</td>
<td>8GB GDDR6</td>
<td>1x HDMI 2.0b, 3x DP 1.4</td>
<td>7680x4320@60Hz (DP)</td>
<td>DirectX 12 VR ready</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3060</td>
<td>Discrete</td>
<td>12G GDDR6</td>
<td>3x DP 1.4a, 1x HDMI 2.1</td>
<td>7680x4320@60Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3060 Ti</td>
<td>Discrete</td>
<td>8G GDDR6</td>
<td>3x DP 1.4a, 1x HDMI 2.1</td>
<td>7680x4320@60Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3070</td>
<td>Discrete</td>
<td>8G GDDR6</td>
<td>3x DP 1.4a, 1x HDMI 2.1</td>
<td>7680x4320@60Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3070 Ti</td>
<td>Discrete</td>
<td>8G GDDR6X</td>
<td>3x DP 1.4a, 1x HDMI 2.1</td>
<td>7680x4320@60Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>NVIDIA GeForce RTX 3080</td>
<td>Discrete</td>
<td>10G GDDR6X</td>
<td>3x DP 1.4a, 1x HDMI 2.1</td>
<td>7680x4320@60Hz (HDMI), 7680x4320@60Hz (DP)</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>
## Monitor Support

**Monitor Support**

Supports up to 4 independent displays via discrete graphics

Notes:
1. Ports may vary by the discrete graphics.

## Chipset

**Chipset**

Intel Z490 chipset

## Memory

**Max Memory**

Up to 128GB DDR4-2933

**Memory Slots**

Four DDR4 UDIMM slots, dual-channel capable

**Memory Type**

- DDR4-3200
- DDR4-3200, Armor
- DDR4-3600, RGB Armor, XMP

**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 3200MHz or 3600MHz, but may run at 2933MHz depending on the memory support capability of processor

## Storage

**Storage Support**

Up to six drives, 2x 3.5" HDD + 2x 2.5" HDD + 2x M.2 SSD

- 3.5" HDD up to 2TB
- 2.5" HDD up to 1TB
- M.2 SSD up to 1TB

**Storage Type**

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5&quot; SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>7.2K</td>
<td></td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe*, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 4.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**RAID**

RAID 0/1/5 support

Notes:
1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

## Removable Storage

**Optical**
Lenovo Legion T7 34IMZ5

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

**Card Reader**
No card reader

**Multi-Media**

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC892 codec

**Power Supply**

<table>
<thead>
<tr>
<th>Power Supply**</th>
<th>Power</th>
<th>Type</th>
<th>Efficiency</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>550W</td>
<td>Fixed</td>
<td>88%</td>
<td></td>
<td>220V</td>
</tr>
<tr>
<td>650W</td>
<td>Fixed</td>
<td>90%</td>
<td></td>
<td>100V - 240V</td>
</tr>
<tr>
<td>850W</td>
<td>Fixed</td>
<td>90%</td>
<td></td>
<td>100V - 240V</td>
</tr>
</tbody>
</table>

**DESIGN**

**Input Device**

**Keyboard**
- Lenovo Calliope Keyboard (USB connector), black
- No keyboard

**Mouse**
Lenovo Calliope Mouse (USB connector), black

**Mechanical**

**Form Factor**
Tower (34L)

**Dimensions (WxDxH)**
211 x 450 x 483 mm (8.3 x 17.7 x 19 inches)

**Packaging Dimensions (WxDxH)**
320 x 580 x 625 mm (12.6 x 22.8 x 24.6 inches)

**Weight**
12.5 kg (27.6 lbs)

**Packaging Weight**
All models: 17 kg (37.47 lbs)

**Case Color**
Raven black

**Chassis****
- Transparent side cover
- Transparent side cover and inner decorate cover

**Bays**
- 2x 2.5” disk bay
- 2x 3.5” disk bay

**Expansion Slots**
- Two PCIe 3.0 x16
- Three PCIe 3.0 x1
- Three M.2 slots (one for WLAN, two for SSD)

**Cooling System (Fan & Cooler)*****
- (Optional) 1x front system fan, 1x rear system fan for airflow or liquid
- (Optional) 2x top system fan with ARGB, 3x front system fan with ARGB, 1x rear system fan with ARGB
- (Optional) 3x front system fan with ARGB, 1x rear system fan with ARGB
Lenovo Legion T7 34IMZ5

- (Optional) 150W side flow Air-Cooler or 200W Liquid-Cooler

**System Lighting**
- (Optional) Internal ambient lighting
- Legion OY iconic LED

**Others**
- (Optional) Carry handle

**CONNECTIVITY**

**Network**

**Onboard Ethernet**
Gigabit Ethernet, 1x RJ-45

**WLAN + Bluetooth®**
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth® 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth® 5.1, M.2 card

**Ports**

**Rear Ports**
- 4x USB 2.0
- 2x USB 3.2 Gen 1
- 1x USB 3.2 Gen 2
- 1x USB-C 3.2 Gen 2 (support data transfer and 5V@3A charging)
- 1x Ethernet (RJ-45)
- 1x line-in (blue)
- 1x line-out / front output (green)
- 1x microphone in (pink)
- 1x centre and subwoofer combine output (orange)
- 1x side surround output (grey)
- 1x rear surround output (black)
- 1x power connector

**Top Ports**
- 2x USB 2.0
- 2x USB 3.2 Gen 1
- 1x headphone (3.5mm)
- 1x microphone (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;
   - USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   - Thunderbolt™ 3/4: 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**

**Security Chip**
Firmware TPM 2.0 integrated in chipset

**BIOS Security**
- Administrator password
- Power-on password

**SERVICE**
Warranty

Base Warranty**[1]
- 1-year mail-in service
- 1-year depot service
- 1-year limited onsite service
- 2-year depot service

Notes:
1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

ENVIRONMENTAL

Operating Environment

Temperature
Storage: -40°C (-40°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

Green Certifications
- ENERGY STAR® 8.0 (on some models)
- ErP Lot 3
- 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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