**OVERVIEW**

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

Processor

Processor Family
10th Generation Intel® Core™ i5 / 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>
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<tr>
<td>Core i9-10900K</td>
<td>10</td>
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<td>DDR4-3200</td>
<td>-</td>
</tr>
</tbody>
</table>

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

Operating System

Operating System
- Windows® 10 Home 64
- Windows 10 Pro 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>AMD Radeon™ RX</td>
<td>Discrete</td>
<td>16GB</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>6800XT</td>
<td></td>
<td>GDDR6</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>NVIDIA® GeForce</td>
<td>Discrete</td>
<td>6GB</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>RTX™ 2060 CD</td>
<td></td>
<td>GDDR6</td>
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<tr>
<td>NVIDIA GeForce</td>
<td>Discrete</td>
<td>8GB</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>RTX 2070 CD</td>
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<td>GDDR6</td>
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<tr>
<td>NVIDIA GeForce</td>
<td>Discrete</td>
<td>8GB</td>
<td>1x HDMI 2.0b, 1x USB Type-C Gen 2, 3x DP 1.4</td>
<td>7680x4320@60Hz(DP)</td>
<td>DirectX 12 VR ready</td>
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<tr>
<td>RTX 2070 SUPER</td>
<td></td>
<td>GDDR6</td>
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<tr>
<td>NVIDIA GeForce</td>
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<tr>
<td>RTX 2080 SUPER</td>
<td></td>
<td>GDDR6</td>
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</tr>
<tr>
<td>NVIDIA GeForce</td>
<td>Discrete</td>
<td>12G</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>RTX 3060</td>
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<td>GDDR6</td>
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<tr>
<td>NVIDIA GeForce</td>
<td>Discrete</td>
<td>8G</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>RTX 3060 Ti</td>
<td></td>
<td>GDDR6</td>
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<td>NVIDIA GeForce</td>
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<td>NVIDIA GeForce</td>
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<td>RTX 3070 Ti</td>
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<td>7680x4320@60Hz(HDMI), 7680x4320@60Hz(DP)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>RTX 3080</td>
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<td>GDDR6X</td>
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<td>NVIDIA GeForce</td>
<td>Discrete</td>
<td>10G</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>RTX 3080 Ti</td>
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<td>GDDR6X</td>
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<td>NVIDIA GeForce</td>
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<td>3x DP 1.4a, 1x HDMI 2.1</td>
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<td>GDDR6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lenovo Legion T7 34IMZ5 - August 02 2021
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

Supports up to 4 independent displays via discrete graphics ports** (DP, HDMI, USB-C 3.2 Gen2, and DVI)

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

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 4 drives, 2x 3.5” HDD + 2x M.2 SSD
• 3.5” HDD up to 2TB each
• M.2 SSD up to 1TB each

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” 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

Removable Storage

Optical
• 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</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>220V</td>
</tr>
<tr>
<td>650W</td>
<td>Fixed</td>
<td>90%</td>
<td>100V - 240V</td>
</tr>
<tr>
<td>850W</td>
<td>Fixed</td>
<td>90%</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)

Weight
12.5 kg (27.6 lbs)

Case Color
Raven black

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

Bays
- 4x 2.5” disk bay
- 2x 3.5” disk bay

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

Cooling System (Fan&Cooler)
- (Optional) 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, 2x top system fan with ARGB
- (Optional) 150W side flow Air-Cooler or 200W Liquid-Cooler
- (Optional) 1x front system fan, 1x rear system fan for airflow or liquid

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

Others
Carry handle

**CONNECTIVITY**

Network
Onboard Ethernet

Gigabit Ethernet, 1x RJ45

WLAN + Bluetooth®

Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, 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: 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

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: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 8.0 (on some models)
- ErP Lot 3
- RoHS compliant