

# ideacentre T540-15ICK G 90LW003TGE

**Product**

IdeaCentre T540-15ICK G

**Region**

WE

**Country/Region**

Germany

**Machine Type**

90LW

**Processor**

Intel Core i5-9400F (6C / 6T, 2.9 / 4.1GHz, 9MB)

**Graphics**

NVIDIA GeForce GTX 1650 4GB GDDR5

**Chipset**

Intel B365

**Memory**

2x 8GB DIMM DDR4-2666

**Storage**

512GB SSD M.2 2280 NVMe + 1TB HDD 7200rpm 3.5"

**Optane Memory**

None

**Optical**

None

**Ethernet**

Integrated 100/1000M

**Media Reader**

7-in-1

**WLAN + Bluetooth**

11ac, 1x1 + BT4.0

**Color**

Mineral grey

**Keyboard**

USB Calliope Keyboard, Black, German

**Mouse**

USB Calliope Mouse, Black

**System Fan**

One Rear

**Power Supply**

210W 85% Energy Star

**Operating System**

Windows 10 Home 64, German

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Bundled Service**

None

**EAN / UPC**

194778063128

**End of Support**

2021-01-17

**Announce Date**

2019-12-17

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# Ideacentre T540-15ICK G Platform Specifications

Product Specifications Reference (PSREF)



Processor	8th or 9th Gen Intel® Core™ i3 / i5 / i7 Processor	Security chip	None																																																						
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i3-8100</td> <td>4 / 4</td> <td>3.6G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Core i3-9100</td> <td>4 / 4</td> <td>3.6G / 4.2G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-8400</td> <td>6 / 6</td> <td>2.8G / 4.0G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-9400</td> <td>6 / 6</td> <td>2.9G / 4.1G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-9400F</td> <td>6 / 6</td> <td>2.9G / 4.1G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>-</td> </tr> <tr> <td>Core i7-8700</td> <td>6 / 12</td> <td>3.2G / 4.6G</td> <td>12 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i7-9700</td> <td>8 / 8</td> <td>3.0G / 4.7G</td> <td>12 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i7-9700F</td> <td>8 / 8</td> <td>3.0G / 4.7G</td> <td>12 MB</td> <td>DDR4-2666</td> <td>-</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630	Core i3-9100	4 / 4	3.6G / 4.2G	6 MB	DDR4-2400	UHD 630	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630	Core i5-9400	6 / 6	2.9G / 4.1G	9 MB	DDR4-2666	UHD 630	Core i5-9400F	6 / 6	2.9G / 4.1G	9 MB	DDR4-2666	-	Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630	Core i7-9700	8 / 8	3.0G / 4.7G	12 MB	DDR4-2666	UHD 630	Core i7-9700F	8 / 8	3.0G / 4.7G	12 MB	DDR4-2666	-	Security features	Power-on password, administrator password
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		Keyboard	Lenovo Calliope Keyboard (USB connector), black																																																						
		Mouse	Lenovo Calliope Mouse (USB connector), black																																																						
		Mechanical	<ul style="list-style-type: none"> <li>• Tower (15L), mineral grey, metal case</li> <li>• (WxDxH) with bezel: 5.7" x 11.9" x 14.4"; 145mm x 302.7mm x 366mm</li> <li>• Approx 13.75 lb (6.24 kg), weight may vary by configuration</li> <li>• Optional rear system fan, 65W Air-Cooler for CPU</li> <li>Bay 1: 3.5", HDD internal bay</li> <li>Slot 1: full-length half-height, PCIe 3.0 x16</li> <li>Slot 2: full-length half-height, PCIe 3.0 x1</li> <li>M.2 card slots: one for WLAN, one for M.2 SSD / Optane</li> </ul>																																																						
Memory	32GB max, UDIMM, DDR4-2666, two 288-pin DIMM sockets * System automatically clocks down for the processors with lower memory controller	Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 310 watts, autosensing, 92% PSU																																																						
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s <i>Some:</i> Intel Optane™ Memory, PCIe 3.0 x4, 32Gb/s, M.2 * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s	Limited warranty	<i>Some:</i> <b>1-year</b> or <b>2-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year, mail-in repair service</b> / service upgrades available																																																						
Optical (opt)	None	Preload	<b>Preloaded operating system</b> Windows 10 Home 64-bit Windows 10 Pro 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Lenovo® Vantage</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> <li>• Microsoft® LinkedIn</li> </ul>																																																						
Onboard SATA	Three onboard SATA 6.0Gb/s connectors	Environment	ENERGY STAR® 7.1; ErP Lot 3; RoHS-compliant																																																						
Media reader	7-in-1 media reader (SD / SDHC / SDXC / MMC plus / MMC / MS / MS_Pro)	Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																																																						
Graphics	<b>Intel UHD Graphics 630</b> in processor, one HDMI, uses main memory, DirectX® 12; <i>Some:</i> <b>NVIDIA GeForce GTX 1650, 4GB GDDR5</b> , DirectX 12, VR ready, one HDMI, two DP; <i>Max resolution:</i> 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz; <i>Some:</i> <b>NVIDIA GeForce GTX 1660, 6GB GDDR6</b> , DirectX 12, VR ready, one DVI, one HDMI, one DP; <i>Max resolution:</i> 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> <b>NVIDIA GeForce GTX 1660 Ti, 6GB GDDR6</b> , DirectX 12, VR ready, one DVI, one HDMI, one DP; <i>Max resolution:</i> 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2560x1600 (DVI)@60Hz																																																								
Chipset	<b>Intel B365 platform</b>																																																								
Front ports*	Four USB 3.1 Gen1, one USB 3.0 Type-C, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm), media reader																																																								
Rear ports*	Four USB 2.0, one ethernet (RJ-45), one HDMI, one VGA, power connector, one line-out audio jack (3.5mm)																																																								
IEEE 1394	None * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																								
Audio support	High Definition (HD) Audio, Realtek ALC222-CG																																																								
WLAN (opt)	<i>Some:</i> 11ac Wi-Fi + Bluetooth 4.2 combo adapter, M.2 card, 1x1 <i>Some:</i> 11ac Wi-Fi + Bluetooth 4.2 combo adapter, M.2 card, 2x2																																																								
Bluetooth™ (opt)	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																								
Ethernet	Gigabit Ethernet connection																																																								
Modem	None																																																								

Note: The specifications above may not be available in all regions.

Lenovo, September 2019

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