Lenovo Legion Y520 Tower 90H7002TUK

Region
UK Group

Machine Type
90H7

Processor
Core i5-7400 (4C, 3.0 / 3.5GHz, 6MB)

Graphics
NVIDIA GeForce GTX 1060 3GB GDDR5

Chipset
Intel B250

Memory
8GBx1

Storage
16GB Optane Memory + 1TB 7200rpm

Optical
DVD±RW

Media Reader
None

WLAN + Bluetooth
11ac, 1x1 + BT4.1

Keyboard / Mouse
USB / USB

System Fan
System Fan With LED

Power Supply
450W Energy Star

Operating System
Windows 10 Home 64

Warranty
1-year, Depot

Ann Date (mm/yy)
11/17

Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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Lenovo Legion Y520 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

7th Generation Intel® Core™ i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Core i3-7100	2 / 4	3.9 GHz	3 MB	DDR4-2400	Intel HD Graphics 630
Core i5-7400	4 / 4	3.0 GHz / 3.5 GHz	6 MB		
Core i7-7700	4 / 8	3.6 GHz / 4.2 GHz	8 MB		

Memory

16GB max offering (support 32GB max), 2400MHz DDR4, two UDIMM sockets

Disk

Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical *(optional)*

DVD±RW, SATA 1.5Gb/s, 5.25"

Onboard SATA

SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors

Media reader

None

Graphics

Intel HD Graphics 630 in processor, uses main memory, DirectX® 12
Some: NVIDIA® Geforce® GTX 1060, 3GB or 6GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3
Some: NVIDIA Geforce GTX 1050Ti, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX12, DVI x1, HDMI x1, DP x1
Some: AMD Radeon RX 560, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x1

VR ready

Oculus® certified (only GTX 1050Ti)

Chipset

Intel B250 Chipset

Front ports

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports

Two USB 2.0, two USB 3.0, ethernet (RJ-45), power connector, one HDMI (2.0a) additional DP, DVI, or HDMI on optional graphic card on some models
*Onboard HDMI is unavailable on discrete models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek® ALC662VD

WLAN *(optional)*

11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek Dragon LAN 8118AS

Security features

- Power-on password
- Hard-disk passowrd
- Administrator password

Keyboard *(opt)*

Lenovo® Calioppe Keyboard (USB connector), black

Mouse *(opt)*

Lenovo Calioppe Mouse (USB connector), black

Mechanical

- Tower (25L), black color
- Dimensions (WxDxH): 7.16" x 18.42" x 15.84"; 182mm x 467.8mm x 402.4mm
- Weights (net weight): 19.2 lb (8.71 kg)
- Optional front fan with LED or circle LED

Bay 1: 5.25", access, optional optical
Bay 2: 3.5", no access, disk
Bay 3: 3.5", no access, disk
Slot 1: full-length, full-height, PCIe x16, for discrete graphics
M.2 card slots: two (one for WLAN, one for SSD)

Power supply

Some: 280 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (110V-240V)
Some: 450 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (110V-240V)

Limited warranty

Some: 1-year, limited Mail-in service
Some: 1-year or 2-year, depot service

Preload

Preloaded operating system
Some: Windows® 10 Home 64
Some: No operating system
Preloaded applications (only some listed)

- Lenovo Nerve Center
- Lenovo Rescue System
- Lenovo Companion
- PowerDVD
- McAfee® Antivirus

Environment

ENERGY STAR® 6.1 (Need 85% PSU); RoHS-compliant

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