ThinkPad L590

This mid-range ThinkPad has the latest 8th Gen Intel Core™ processors, several security and privacy features, plus optional discrete AMD Radeon graphics. Mobile users will also appreciate its MIL-SPEC tested design, ensuring durability when travelling, and up to 12 hours of battery life on a single charge. Two onboard USB-C ports ensure easy connection to the latest peripherals including our range of ThinkPad Docking Stations which feature mechanical docking around the side of the device.

REASONS TO BUY

The optional Intel Optane™ memory knows which files and programs are opened most frequently and accelerates them. Large files and commonly-used applications will now be ready for use more quickly.

Getting work done on the road is easier with optional 4G WWAN connectivity, which provides data access even outside of WiFi range.

Minimal preloaded applications mean maximum battery life and responsiveness for users, and faster deployment for IT admins.
## ThinkPad L590

### KEY SPECIFICATIONS

**Processor**  
up to 8th Gen Intel Core i7 processor

**Operating System**  
Powered by Windows 10 Pro

**Display**  
15.6” screen, Full HD (1920x1080), WVA, 800:1 contrast ratio, 45% gamut  
15.6” screen, HD (1366x768), TN, 500:1 contrast ratio, 45% gamut

**Graphics**  
Intel UHD Graphics 620/610 in processor, optional AMD Radeon  
535 2GB

**Memory**  
up to 64GB DDR4-2400

**Storage**  
up to 1x 2.5” 2TB SATA HDD + up to 512GB M.2 PCIe NVMe SSD  
optional Intel Optane 16GB Memory

**Audio**  
2x 2W stereo speakers with Dolby Advanced Audio  
Dual array microphones

**Battery**  
up to 12hrs (45Wh)

**Power Adapter**  
One of the following  
45W USB-C  
65W USB-C  
65W USB-C Slim

**Camera**  
One of the following  
720p + IR with ThinkShutter  
720p with ThinkShutter

**Keyboard**  
spill-resistant, optional backlight

**Color**  
Black

**Dimensions**  
Width: 376.5mm (14.82”)  
Depth: 254.5mm (10.02”)  
Height: 22.95mm (0.9”)

**Weight**  
2.03kg (4.48lb)

### GREEN CERTIFICATIONS

EPEAT Silver, Energy Star 7.1

### OTHER CERTIFICATIONS

MIL-STD-810G military testing

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### CONNECTIVITY

**I/O Ports**  
2x USB 3.1 Gen 1 (1x Always On), 1x USB-C 3.1 Gen 1 (power delivery and DisplayPort), 1x USB-C 3.1 Gen 2 (power delivery and DisplayPort), HDMI, ethernet (RJ-45), nano-SIM card slot (WWAN models), audio combo jack, microSD card reader, side docking connector, optional smart card reader, security keyhole

**WLAN + Bluetooth**  
One of the following  
Intel 9260 11ac, 2x2 + BT5.0  
Intel AX200 11ax, 2x2 + BT5.0  
RTL8822BE 11ac, 2x2 + BT4.2

**WWAN**  
Optional

**NFC**  
Optional

**Docking**  
Compatible with Side Mechanical dock and USB 3.0 & USB-C docking solutions

### SECURITY & PRIVACY

**Fingerprint Reader**

**Smart Card Reader**

**Discrete TPM 2.0**

**IR Camera with Windows Hello**

**ThinkShutter camera privacy cover**

**Kensington lock slot**

### MANAGEABILITY

**Intel vPro** (optional)

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Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region.  
Based on testing with MobileMark 2014. Battery life varies significantly with settings, usage, and other factors. © 2020 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.

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**Recommended for this device**

### ThinkVision T27i-10

27” Full HD monitor with wide viewing angle and 1000:1 contrast ratio  
1x HDMI, 1x DisplayPort, 1x VGA, 4x USB3.0, 1x USB3.0 Type-B upstream, audio out  
Lift, Tilt, Pivot, Swivel stand for viewing comfort

### ThinkVision T24i-10

23.8” Full HD monitor with 72% NTSC colour gamut & anti-glare coating  
1x HDMI, 1x DisplayPort, 1x VGA, 4x USB3.0, 1x USB3.0 Type-B upstream, audio out  
Lift, Tilt, Pivot, Swivel stand for viewing comfort