ThinkPad T590

This lightweight business laptop is packed with features that help mobile users stay productive. For example, it offers up to 15 hours of battery life to outlast the longest of workdays. The device is powered by the latest Intel Core™ vPro processors and can be configured with Intel Optane™ memory which allows large files and commonly-used applications to open faster.

BUSINESS DEVICES THAT ARE A CLASS APART

The ultimate productivity notebook, ThinkPad T Series will keep users productive all day with long battery life, docking and enhanced connectivity options, security and manageability features.

REASONS TO BUY

Choose the Dolby Vision® HDR display for exceptional colour and brightness when working on documents or watching video.

Multiple ports including Thunderbolt™, USB Type-C, USB 3.1, and HDMI allow high-speed data transfer and support docking solutions to enable seamless multitasking.

Minimal preloaded applications mean maximum battery life and responsiveness for users, and faster deployment for IT admins.
**ThinkPad T590**

**KEY SPECIFICATIONS**

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

**Operating System**
Powered by Windows 10 Pro

**Display**
15.6” Dolby Vision HDR screen, 4K (3840x2160), WWA, 1200:1 contrast ratio, 100% Adobe gamut
15.6” screen, Full HD (1920x1080), WWA, 700:1 contrast ratio, 45% gamut (optional touch)

**Touchscreen**
on optional touchscreen on Full HD model

**Graphics**
Intel UHD Graphics 620 in processor, optional NVIDIA GeForce MX250 2GB

**Memory**
up to 48GB DDR4-2400

**Storage**
up to 1TB M.2 PCIe NVMe SSD
optional Intel Optane 32GB memory integrated with SSD

**Audio**
2x 2W speakers with Dolby Audio Premium
Dual array far-field mics

**Battery**
up to 14.98hrs (57Wh)

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

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

**Keyboard**
spill-resistant, optional backlit

**Color**
Black

**Dimensions**
From Width: 365.8mm (14.4”)
Depth: 248mm (9.76”)
Height: 19.1mm (0.75”)

**Weight**
starting at 1.75kg (3.86lb)

**GREEN CERTIFICATIONS**
EPEAT Gold, Energy Star 7.1

**OTHER CERTIFICATIONS**
ML-STD-810G military testing

**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 / Thunderbolt 3 (power delivery and DisplayPort), HDMI, ethernet (RJ-45), nano-SIM card slot (WWAN models only), audio combo jack, microSD card reader, side docking connector, optional smart card reader, security keyhole

**WLAN + Bluetooth**
Intel 9560 11ac, 2x2 + BT5.0

**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. I 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. Third 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**

**Lenovo VOIP 360 Camera Speaker**
Compact 360° camera, microphone and speaker with echo suppression
360° video with 4 display options and camera off button
Works with any VOIP application and connects via USB-C

**ThinkPad Pro Docking Station (2018)**
Side-mounted mechanical docking connection provides rapid charging power, data and video connection
2x DisplayPort 1.4, 1x USB-C, 2x USB 2.0, 3x USB 3.1 ports (including 1x always-on)
Gigabit Ethernet with advanced networking features

**Smart Image**
Converts your image to make it compatible across Lenovo devices
Useful for businesses purchasing devices in waves of expansion
Network, service partition, USB and DVD deployable