The ThinkPad T590 is a complete computing device for today’s versatile professionals who multitask and work on the go. This device is equipped with the latest Intel® Core™ vPro™ processors and discrete graphics to help you power through intensive tasks with ease.

This ultra-portable laptop comes with up to 15 hours* of battery life, enough to last an entire workday. The versatile ports enable you to easily connect to peripherals for effortless multitasking. The ThinkShield suite of security features on the ThinkPad T590 ensure that your confidential data and privacy remain uncompromised.

*Based on testing with MobileMark 2014. Battery life varies significantly with settings, usage, and other factors.
ITDM Benefits

Security
The ThinkShield suite of solutions ensures 360° device security from manufacturing through its entire lifecycle.

Efficiency
The RapidCharge technology powers up the device from 0% to 80% in just 60 minutes for uninterrupted flow of work. Also, the ThinkPad T590 supports multiple docking solutions that increase work efficiency and productivity.

Portability
11% lighter than its predecessor, the sleek ThinkPad T590 weighs only 1.75kg/3.87lbs. and is 19.1mm thin, offering optimum portability.

Superior Performance: up to Intel® Core™ vPro™ i7 processors, discrete NVIDIA® graphics, and DDR4 memory coupled with PCIe SSD storage accelerate device performance and responsiveness for heavy-duty computing.

Exceptional Audio-Visual Experience: the 500nit UHD IPS HDR display with Dolby® Vision™ and Dolby® Audio™ Premium with upward-firing speakers make content creation and consumption immersive. The dual array far-field noise-canceling microphones are perfect for VoIP calls and online meetings.

Robust Security: the ThinkShield suite of security solutions offers comprehensive end-to-end security. Some of its features include the dTPM 2.0 chip and Touch Fingerprint Reader. It also includes ThinkShutter camera cover for the innovative hybrid HD and IR* camera lens.

Unparalleled Connectivity: an array of ports such as Thunderbolt™, USB 3.1 Gen1, USB Type-C, and HDMI 1.4 allow you to connect to external peripherals, transfer data at high speeds, and charge USB devices to execute daily tasks efficiently.

*Optional
Accessories

ThinkPad Professional 15.6” Backpack
(PN: 4X40Q26383)
The Lenovo ThinkPad Professional Backpack is a streamlined yet versatile backpack for the on-the-go professional. This clean, modern design carries, protects, and organizes your mobile office, while premium, lightweight materials withstand everyday wear and tear.

ThinkPad Thunderbolt™ 3 Dock Gen 2
(PN: 40AC0135US)
The ThinkPad Thunderbolt™ 3 Dock is a versatile docking solution powered by Intel® Thunderbolt™ 3 technology. It delivers 4K video performance with lightning-fast data transfer. You can easily charge your mobile device with the always-power-on USB 3.0 port and enjoy up to 40Gbps data transfer speeds.

MicroSaver 2.0 Cable Lock by Lenovo
(PN: 4XE0N80914)
The MicroSaver 2.0 Cable Lock from Lenovo is engineered to be the smallest, strongest lock for laptops and other devices. It was developed using strict specifications, patented technologies, and rigorous testing against tough environmental conditions, and can stand the test of time in a smaller, compact size without compromise.
## ThinkPad T590

### PERFORMANCE

**Processor**  
Up to 8th Generation Intel® Core™ vPro™ i7 Processors

**Operating System**  
Up to Windows 10 Pro (64 bit)

**Graphics**  
Integrated Intel® UHD Graphics 620  
Discrete NVIDIA® GeForce® MX250

**Camera**  
HD + optional IR camera with ThinkShutter

**Memory**  
Up to 48GB DDR4 (2400MHz)

**Storage**  
Up to 1TB PCIe SSD

**Battery**  
Up to 15 hours*, 57Whr battery

**AC Adapter**  
Up to 65W Type-C (supports RapidCharge)

**Audio**  
Dolby® Audio™ Premium with upward-firing speakers  
Dual array far-field microphones

### SECURITY

**Match on Chip Touch Fingerprint Reader**  
IR camera** with Windows Hello  
dTPM 2.0 chip  
ThinkShutter camera cover  
Kensington™ lock slot

### CONNECTIVITY

**Input/Output Ports**  
2 x USB 3.1 Gen1  
1 x USB Type-C  
1 x HDMI 1.4  
1 x Thunderbolt™ 3  
1 x MicroSD Card Reader  
1 x Audio Jack

**WiFi**  
Intel® Dual Band 802.11 AC  
Bluetooth® 4.2

**WWAN**  
LTE CAT9  
EU CAT6

**NFC**  
Yes

**Docking**  
Thunderbolt™ 3 dock  
Side Mechanical dock  
USB 3.0 dock

### DESIGN

**Display**  
15” FHD IPS (250nit)  
15” FHD IPS LW Touch (250nit)  
15” UHD IPS HDR with Dolby® Vision™ (500nit)

**Dimensions (W x D x H)**  
365.8 x 248 x 19.95mm  
14.40 x 9.76 x 0.79 inches

**Weight**  
Starting at 1.75kg/3.87lbs.

**Keyboard**  
Top load backlight with white LEDs

**Colors**  
Black

### RECOMMENDED SERVICES

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkPad investment—so you can focus on your work, not your IT.

**Premier Support**  
Provides direct access to skilled and experienced Lenovo technicians offering comprehensive hardware and software support. Gives you a consistent point of contact within Lenovo to ensure that your case resolution is professionally managed from start to finish.

**Accidental Damage Protection (ADP)**  
Prevents the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops, or damage to the integrated screen.

**Warranty Extension (1-year base, up to 3 years total)**  
This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and lower the cost of ownership over time.

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*Based on testing with MobileMark 2014. Battery life varies significantly with settings, usage, and other factors.  
**Optional

© 2019 Lenovo. All rights reserved. Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2. These products are available while supplies last. Prices shown are subject to change without notice. For any questions concerning price, please contact your Lenovo Account Executive. Lenovo is not responsible for photographic or typographic errors. Warranty: For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. Trademarks: Lenovo, the Lenovo logo, Rescue and Recovery, ThinkPad, ThinkCentre, ThinkStation, ThinkVantage, and ThinkVision are trademarks or registered trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation in the U.S. and/or other countries. Other company, product, and service names may be trademarks or service marks of others.