ThinkPad T590 20N40058PG

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

Graphics
Integrated Intel UHD Graphics

Chipset
Intel SoC Platform

Memory
8GB Soldered DDR4-2400 + 8GB SO-DIMM DDR4-2400

Memory Slots
One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

Max Memory
Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-2400

Storage
512GB SSD M.2 2280 PCIe® 3.0x4 NVMe® Opal2

Storage Support
One drive, up to 128GB M.2 2242 SSD or 2TB M.2 2280 SSD, optional Intel Optane™ Memory integrated with SSD, M.2

Card Reader
MicroSD Reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers
Stereo speakers, 2W x2, Dolby® Audio™ Premium

Camera
720p with ThinkShutter

Microphone
2x, Array

Battery
Integrated 57Wh

Max Battery Life
MobileMark® 2014: 14.98 hr

Power Adapter
65W USB-C

DESIGN

Display
15.6" FHD (1920x1080) IPS 250nits Anti-glare

Touchscreen
None

Keyboard
Backlit, Portuguese

Case Color
Black

Case Material
PPS / 50% GF (Top), PA / 50% GF (Bottom)

Dimensions (WxDxH)
365.8 x 248 x 19.1 mm (14.40 x 9.76 x 0.75 inches)

Weight
1.81 kg (3.99 lbs)

SOFTWARE

Operating System
Windows® 10 Pro 64, Portuguese / English

Bundled Software
None

CONNECTIVITY

Ethernet
100/1000M

WLAN + Bluetooth®
Intel 9560 11ac, 2x2 + BT5.1

WWAN
None

SIM Card
None

NFC
None

Standard Ports
- 1x USB 3.1 Gen 1
- 1x USB 3.1 Gen 1 (Always On)
- 1x USB-C 3.1 Gen 2 / Thunderbolt™ 3 (support data transfer, Power Delivery and DisplayPort™ 1.2)
- 1x USB-C 3.1 Gen 1 (support data transfer, Power Delivery and DisplayPort 1.2)
- 1x HDMI® 1.4b
- 1x microSD card reader
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Side docking connector

Optional Ports (configured)
1x Smart card reader

Monitor Cable
None

SECURITY & PRIVACY

Smart Card Reader
Smart Card Reader

Security Chip
Discrete TPM 2.0

Fingerprint Reader
Touch Style, Match-on-Chip

Physical Locks
Kensington® Security Slot

Other Security
ThinkShutter camera cover

MANAGEABILITY

System Management
None

SERVICE

Base Warranty
3-year, Depot

Included Upgrade
None

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications
- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO Certified
- RoHS compliant

Mil-Spec Test
MIL-STD-810G military test passed

MODEL

TopSeller	: Yes	Announce Date	: 2019-08-20
EAN / UPC / JAN	: 0194552005115	End of Support	: 2025-10-15



· Lenovo reserves the right to change specifications or other product information without notice.
· Product image on this page is a sample, it may not match the real color of this model
· Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

Premier Support - **A direct 24x7x365 line to our most elite technicians.**

- Advanced technical support, 24x7x365, in more than 100 markets
- Technical Account Managers for proactive relationship and escalation management
- Comprehensive hardware & OEM software support
- Priority on service delivery and repair parts
- Single point of contact for simplified end-to-end case management
- Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - **Protection of your PC from the unexpected.**

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - **Included with the systems you purchase, default 1- or 3-year coverage window.**

Warranty Extensions & Upgrades - **Service and protection that's right for your circumstances.**

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



ThinkPad Ultra Docking Station (American Standard Plug)

40AJ0135US

The ThinkPad Ultra Docking Station provides the best docking experience for large enterprise ThinkPad customers. The innovative side connector, designed exclusively for ThinkPad notebooks, provides a driver-free way t...

Recommended Services

BEST	3Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + Sealed Battery + International Upg) (5PS0N73216)
BETTER	3Y Lenovo Support (Premier Support + Keep Your Drive + Sealed Battery + International Upg) (5PS0N73159)
GOOD	3Y Premier Support Upgrade from 3Y Courier/Carry-in (5WS0T36152)

For a full list of accessories and services, please visit:
https://smartfind.Lenovo.com

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Product Specifications Reference