## ThinkPad T590 20N4002XRI



#### **PERFORMANCE**

**Processor** 

Intel® Core™ i7-8565U (4C / 8T. 1.8 / 4.6GHz. 8MB)

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

1TB SSD M.2 2280 PCle 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 + IR 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, English (EU)

**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, Romanian / English

**Bundled Software** 

None

CONNECTIVITY

**Ethernet** 

100/1000M

WLAN + Bluetooth™

Intel 9560 11ac. 2x2 + BT5.1

**WWAN** 

Fibocom L830-EB

SIM Card

None

NFC

None

**Standard Ports** 

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

Optional Ports (configured)

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN models)

**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** 

- IR camera for Windows® Hello
- · ThinkShutter camera cover

#### MANAGEABILITY

System Management

None

**SERVICE** 

**Base Warranty** 

3-year, Depot

**Included Upgrade** 

None

**ACCESSORIES** 

**Bundled Accessories** 

None

#### **CERTIFICATIONS**

**Green Certifications** 

- ENERGY STAR® 8.0
  TCO
- EPEAT™ Gold
- · RoHS compliant

Mil-Spec Test

MIL-STD-810G military test passed

**MODEL** 

TopSeller : Yes

**Announce Date** : 2019-06-04

 $<sup>\</sup>cdot$  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.

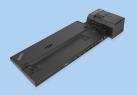
# Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- 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	5Y Premier Support Upgrade from 3Y Courier/Carry-in (5WS0T36204)
BETTER	4Y Premier Support Upgrade from 3Y Courier/Carry-in (5WS0T36185)
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

