ThinkPad P1 Gen 3 20TH0046PB

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Xeon® W-10855M (6C / 12T, 2.8 / 5.1GHz, 12MB)

Graphics
NVIDIA® Quadro® T2000 Max-Q 4GB GDDR6

Chipset
Intel WM490

Memory
1x 32GB SO-DIMM DDR4-2933 ECC

Memory Slots
Two DDR4 DIMM slots, dual-channel capable

Max Memory
Up to 64GB DDR4-2933

Storage
1TB SSD M.2 2280 PCIe® NVMe® Opal2

Storage Support
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 2TB

RAID Preset
None

Card Reader
SD Reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3286 codec

Speakers
Stereo speakers, Dolby® Atmos®

Camera
IR & HD 720p with ThinkShutter

Microphone
2x, Array

Battery
Integrated 80Wh

Max Battery Life
MobileMark® 2014: 15.9 hr
MobileMark 2018: 12 hr
JEITA 2.0: 17.1 hr

Power Adapter
135W Slim Tip (3-pin)

DESIGN

Display
15.6" UHD (3840x2160) IPS 600nits Anti-glare, 100% Adobe® RGB, Dolby Vision™, HDR

Touchscreen
None

Color Calibrator
Factory Color Calibration on UHD panels

Keyboard
Backlit, English (EU)

Case Color
Black

Case Material
Carbon Fiber (Woven pattern) + PC + PPS Hybrid

Pen
None

Dimensions (WxDxH)
361.8 x 245.7 x 18.4 mm (14.24 x 9.67 x 0.72 inches)

Weight
1.7 kg (3.75 lbs)

SOFTWARE

Operating System
Windows® 10 Pro 64 for Workstations, Polish / English

Bundled Software
None

CONNECTIVITY

Ethernet
100/1000M (Adapter Needed)

WLAN + Bluetooth®
Intel AX201 11ax, 2x2 + BT5.1

WWAN
Fibocom L860-GL

SIM Card
None

NFC
None

Standard Ports
- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 3 (support data transfer, Power Delivery, and DisplayPort™ 1.4)
- 1x HDMI® 2.0
- 1x SD card reader
- 1x Headphone / microphone combo jack (3.5mm)

Optional Ports (configured)
1x Nano-SIM card slot (WWAN support models)

Docking
Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit Docking for ThinkPad® P1 Gen 3

Monitor Cable
None

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0

Fingerprint Reader
Touch Style, Match-on-Chip

Physical Locks
Kensington® Security Slot, 3 x 7 mm

MANAGEABILITY

System Management
Intel® vPro

SERVICE

Base Warranty
3-year, Depot

Included Upgrade
3Y Premier TP WS WHB (CPN) (5WS1B09494)

ACCESSORIES

Bundled Accessories
USB-C to Ethernet Adapter

CERTIFICATIONS

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

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

ISV Certifications
Please visit www.thinkworkstations.com/isv-certifications/

MODEL

TopSeller	: Yes	**Announce Date**	: 2020-08-11
EAN / UPC / JAN	: 0195235938522	**End of Support**	: 2027-02-21

· 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

Recommended Accessories



ThinkPad Mobile Workstation Slim 170W AC Adapter (Slim-tip) - US/Can

4X20S56697

The ThinkPad 170W Slim AC adapter is the new adapter with slim and small design. It is your perfect replacement or spare power adapter for your ThinkPad Mobile Workstation machines.



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security – the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

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

Lenovo **PSREF**
Product Specifications Reference