ThinkPad P15v Gen 1 20TQ003BGE

Product

ThinkPad P15v Gen 1

Region

WE

Country/Region

Germany

Machine Type

20TQ

TopSeller

TopSeller

Processor

Intel Core i7-10875H (8C / 16T, 2.3 / 5.1GHz, 16MB)

Graphics

Integrated Intel UHD Graphics

Chipset

Intel WM490

Memory

1x 32GB SO-DIMM DDR4-3200 Non-ECC

Storage

1TB SSD M.2 2280 PCIe NVMe Opal2

Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 45% Gamut

Touchscreen

10-point Multi-touch

Media Reader

SD Reader

Ethernet

100/1000M

Optical

None

WLAN + Bluetooth

Intel AX201 11ax, 2x2 + BT5.1

WWAN

WWAN Upgradable

SIM Card

None

Smart Card Reader

Smart Card Reader

Monitor Cable

None

Case Material

Display cover: PC / ABS Bottom: PC / ABS

Bundled Accessories

None

Camera

720p + IR with ThinkShutter

Microphone

2x, Array

Color

Black

Keyboard

Backlit, German

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

None

TPM

Discrete TPM 2.0

Battery

Integrated 68Wh

Power Adapter

135W Slim Tip

System Management

Intel vPro

Operating System

Windows 10 Pro 64. German

Bundled Software

None

Base Warrantv

3-year, Depot

Bundled Service

None

EAN/UPC/JAN

0195235156711

End of Support

2027-03-04

Announce Date

2020-08-04

Notes:

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.



Lenovo may not offer the products, services or features discussed in this document in other countries. 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.



https://psref.lenovo.com

Visit psref website for the latest version of Product specifications Reference.

© Lenovo, 2020. All rights reserved.



ThinkPad P15v Gen 1 Platform Specifications

Supports one 10th Xeon W, Core 17, or 15 processor as following: Processor Number et al. et al. processor processor		T				7					
Processor Area W-10855M 6 12 2.8GHz 5.1GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10850H 6 12 2.8GHz 5.1GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10850H 6 12 2.6GHz 5.1GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 5.1GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 5.0GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 5.0GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 5.0GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 5.0GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 6.0GHz 12MB DDR4-2935 Intel UHD Graphics (Core I7-10750H 6 12 2.6GHz 6.0GHz 6.		Supports one 10th Xeon W, Core i7, or i5 processor as following:								Case color	
New Note	Processor	Processor Number			Base	Max Turbo	Cache	Memory		Case material	
Received			Cores	Tilleaus	requericy	requeries		Турсз	Intal IIIID	Media reader	SD card reader
Processor Core (7-10876H 8 16 2.3GHz 5.1GHz) Core (7-10850H 6 12 2.7GHz 6.1GHz) Core (7-10850Hz) C		Xeon W-10855M	6	12	2.8GHz	5.1GHz	12MB	DDR4-2933		Standard Ports	1x Thunderbolt (USB-C form, Thunderbolt 3, USB 3.2 Gen 2, PD, DP),
Processor Core 17-10979 6 12 2.7GHz 5.1GHz 12MB DR4-2933 Inst-UPL		Coro :7 1007511		10	0.0011=	E 1011-	16140	DDD4 0000	Intol LIUD		phone combo jack 1x SD card reader 1x security keybole 1x B L/45
Core		Core 1/-108/5H	8	16	2.3GHZ	5.1GHZ	I PINIB	DDR4-2933		Optional Ports	
Core 17-10750H 6		Core i7-10850H	6	12	2.7GHz	5.1GHz	12MB	DDR4-2933		Johnson and Total	Up to 3 displays with 2 external monitors plus system LCD screen. External
Core i7-10/50H 6 12 2.69Hz 5.0GHz 12MB DDR4-2935 Graphics Core i5-10300H 4 8 2.5GHz 4.5GHz 8MB DDR4-2935 Graphics Core i5-10300H 4 8 2.5GHz 4.5GHz 8MB DDR4-2935 Graphics Graphics Core i5-10300H 4 8 2.5GHz 4.5GHz 8MB DDR4-2935 Graphics Core i5-10300H 4.5GHz 4.5GHz 6.5GHz									Intel IIIID	Monitor support	
Core is-10300H 4 8 2.5GHz 4.5GHz 8Mb DDR4-2935 Intel UHD Graphics		Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-2933			Thunderbolt supports up to 5K@60Hz
Core is-10300H 4 8 2.5GHz 8MB DDR4-2933 Graphics									Intal IIIID	Monitor cable	
Chipset		Core i5-10300H	4	8	2.5GHz	4.5GHz	8MB	DDR4-2933			
Memory Type Sci-DIMM, DDR4-3200 non-ECC or DDR4-2933 ECC. Operates at DDR4-2933. BGB116B/B2GB available for both ECC and non-ECC Seafar Seafa	Chipset	Intel WM490 Chip	set						1 0.10101.1100	1	
Memory Sockets 2 DIMMs soc	'									Camera	
Memory Pockets Memory Sockets Memory GAGB Memory GAGB Max Memory Garaphics Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDR5 Memory Type Surface Touch Brightness Ratio Gamut Angle Gam	iviemory Type	8GB/16GB/32GB available for both ECC and non-ECC								Adia alain	
Max Memory Protection E-CC of models with E-CC Dilmins and Aeon processor Max Memory 64GB		S 2 DIMM SOCKETS									
Max Memory 64GB Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA Quadro P620, 4GB GDDRS Intel UHD Graphics in processor plus optional NVIDIA P645 Intel UHD Graphics in processor plus optional NVIDIA P645 Intel UHD Graphics in processor plus optional NVIDIA P645 Intel UHD Graphics in processor plus optional NVIDIA P645 Intel UHD Graphics in processor plus optional NVIDIA P645 Intel UHD Graphics in processor plus of Victor P620, Intel V	Memory Protection	on ECC on models with ECC DIMMs and Xeon processor									
Intel UHD Graphics in processor plus optional NVIDIA Quadro F820, 4GB GDPR Memory	Max Memory										
Size Resolution Type Surface Touch Brightness Ratio Resolution Resolution Resolution Ratio Rat	Graphics								B GDDR5	Keyboard	
Size Resolution Type Surface Touch Brightness Aspect Colort Ratio Calort Calor	S.14p11100									LlltraNlav	3-button TrackPoint pointing device and 2-button Mylar surface multi-touch
Display 15.6° FHD (1920x1080) WVA Anti-glare - 250 nits 16:9 700:1 45% 170 NTSC 170 NT	Display	Size Resolution	Ty	ype Surfac	ace Touch	Brightness				31	touchpad
Display 15.6" FHD (1920x1080) WVA Anti-glare 15.6" MISC 170° MISC 17							i iali0			1 asswora	
Display 15.6" FHD (1920x1080) WVA Anti-glare multi-fluckh 16.9 1400:1 170°		15.6" FHD (1920x10	080) W	VA Anti-gla	lare -	250 nits	16:9	700:1 N	TSC 170°	ı	
15.6° FHD (1920x1080) W/A Anti-glare 100th 300 nits 16:9 800:1 NTSC 170° NTSC 100% 10% 10% 100% 10					mu.it:		-	+ ,	150/	, , <u> </u>	
UHD (3840x2160) WVA Anti-glare - 600 nits 16:9 1400:1 100% Adobe 178° 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 178° 1400:1 1400:1 178° 1400:1		15.6" FHD (1920x10)80) W	/VA Anti-g		300 nits	16:9	800:1 N	TSC 170°	l	
Starting at 2.0 Starting a		UHD (3840x2	160) WVA A						000/		
Color Calibration Factory Color Calibration on UHD panels				/VA Anti-g	nti-glare -	600 nits	16:9			1	
Touch screen Touch enable on selected FHD models, supports 10-finger gesture None None Storage Up to two M.2 2280 SSD, PCIe NVMe, 256GB / 512GB / 1TB / 2TB each RAID O / 1 support Optical None Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth Ditous Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN Now WAN card and non upgradable Integrated Mobile Broadboand 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Dimensions Width: 366.5 mm (14.43 in), Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Max battery life MobileMark 2018: 7.2 hr Mo	0-10-111								-		
Pen None Storage Up to two M.2 2280 SSD, PCle NVMe, 256GB / 512GB / 1TB / 2TB each RAID RAID 0 / 1 support Optical None Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN Now WWAN card and non upgradable integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Dimensions Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Work Adapter Supports one optional preloaded operating system as following: Supports one optional preloaded operating system as following: Windows 10 Pro 64 Windows 10 Pr											
Storage Up to two M.2 2280 SSD, PCIe NVMe, 256GB / 512GB / 1TB / 2TB each RAID RAID 0 / 1 support Optical None Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: NWWAN • No WWAN card and non upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Power Adapter Supports one optional preloaded operating system as following: Windows 10 Pro 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations • Ubuntu Linux LTS Optional warranty plans as following: • 1-year depot repair service • 3-year depot repair service • 1-year plantations • 1-year Plantations • 1-year depot repair service • 1-year plantations • 1-year Plantations • 1-year Plantations • 1-y		3. 3								wax battery life	
RAID RAID 0 / 1 support Optical None Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth One of the following, configurable by model: WWAN Now Card and non upgradable integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card SIM card Optional Nano-SIM card slot Wieight Starting at 2.07 kg (4.57 lb, UHD) Supports one optional preloaded operating system as following: Windows 10 Home 64 Windows 10 Pro 64 for Workstations Ubuntu Linux LTS Optional warranty plans as following: 1 -year depot repair service 3 -year depot repair service 3 -year limited onsite service 1 -year -t-year depot or epair service 1 -year limited onsite service 1 -year depot with 2-year system obard repair service 1 -year depot mitrate onsite service 1 -year edepot with 2-year system obard repair service 1 -year depot of repair service 1 -year limited onsite service 1 -year depot mitrate onsite service 1 -year limited onsite service 1 -year depot mitrate onsite service 1 -year limited onsite service 1 -year depot mitrate onsite service 1 -year system as following: Windows 10 Pro 64 Windo										Power Adapter	
Optical None Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN Now No Card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Dimensions Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Operating system Operating system Windows 10 Home 64 Windows 10 Fro 64 Windows 10 Pro 64 Windows 10 Pro 64 Windows 10 Pro 64 Windows 10 Pro 64 Windows 10 Pro 64 Windows 1		op to two will 22200 GOB, I GIG IVVIIIC, 250GB7 012GB7 11B7 21B cdoll									Supports one optional preloaded operating system as following:
Ethernet One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models NFC None WLAN + Bluetooth Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN Now WWAN card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Dimensions Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models Windows 10 Pro 64 for Workstations Ubuntu Linux LTS Optional warranty plans as following: 1-year depot repair service 1-year 1 event depot repair service 1-year 2-year limited onsite service 1-year 4-2-year li			ι								• Windows 10 Home 64
richernet or i219V for non-vPro models NFC None Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN No WWAN card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Dimensions Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1.	Optical									Operating system	
NFC None Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: No WWAN card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Vidth: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Optional warranty plans as following: 1-year depot repair service 3-year depot repair service 1-year depot repair service 1-year limited onsite service 1-year depot with 2-year limited onsite service 1-year depot with 2-year depot repair service 1-year depot with 2-year depot repair service 1-year depot with 2-year depot with	Ethernet	or i219V for non-vPro models								?	
WLAN + Bluetooth Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model: WWAN	NFC										Optional warranty plans as following:
WWAN One of the following, configurable by model: No WWAN card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Sase Warranty * 1-year 4 2-year depot repair service * 1-year limited onsite service * 3-year limited onsite service * 1-year 4 2-year limited onsite service * 1-year 4 2-log military testing * Mil-Spec test * Mil-STD-810G military testing * EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant	WI AN + Bluetooth										• 1-year depot repair service
WWAN No WWAN card and non upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card Optional Nano-SIM card slot Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) Place Warranty 1-year limited onsite service 3-year limited onsite service 1-year depot with 2-year system board repair service Mil-Spec test MIL-STD-810G military testing EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant	WLAIN + DIUGIOOIII						10 (ver	<u>sion 2004 o</u>	r above)	Base Warranty	
• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card SIM card Optional Nano-SIM card slot Dimensions Weight Optional Nano-SIM card slot Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). Thickness: 24.2 mm (0.95 in) Weight Starting at 2.07 kg (4.57 lb, UHD) • 3-year limited onsite service • 1-year depot with 2-year system board repair service Mil-Spec test Environment EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant	WWAN	One of the following	ng, con	itigurable	by model	:					
SIM card Optional Nano-SIM card slot Dimensions Weight Starting at 2.07 kg (4.57 lb, UHD) • 1-year + 2-year limited onsite service • 1-year depot with 2-year system board repair service Mil-Spec test MIL-STD-810G military testing Environment EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant		Integrated Mobile Broadband 4G LTE-A Fibocom L850-GL MIMO 2v2 M 2 card									
Width: 366.5 mm (14.43 in). Depth: 250 mm (9.84 in). 1-year depot with 2-year system board repair service Mil-Spec test Mil-STD-810G military testing Mil-STD-810G military testing Environment EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant		Optional Nano-SIM card slot									1-year + 2-year limited onsite service
Weight Starting at 2.07 kg (4.57 lb, UHD) Weight Starting at 2.07 kg (4.57 lb, UHD) Environment EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant		Width: 366.5 mm (14.43	in). Depth	: 250 mm	(9.84 in).				Mil On a day	
		Trilotatooo: E t.E triin (0.00 iii)									
Please visit <u>www.triirikworkstations.com/isv-certifications/</u>	vveignt	Starting at 2.07 kg	(4.57	ib, UHD)							
										lov certifications	riedse visit <u>www.triilikworkstations.com/isv-certilications/</u>











