



ThinkPad P52 **Intel® Core™ E-2176M** **39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD** **NVIDIA® Quadro® P2000** **Wi-Fi 5 (802.11ac) Windows 10 Pro for Workstations**

Lenovo

ThinkPad

20M90010US

ThinkPad P52

ThinkPad P52. Processor: Intel® Core™ E-2176M, Frequency: 2.7 GHz. Display: 39.6 cm (15.6"), HD: Full HD, Resolution: 1920 x 1080. Memory: 16 GB, Type: DDR4-SDRAM. Storage: 512 GB, Type: SSD. Graphics: Intel UHD Graphics P630. Operating System: Windows 10 Pro for Workstations. Weight: 2.2 kg



Item		Item & Qty	
USB 3.2 *	USB 3.2	A USB 3.2 1x3.1	3
USB 3.2 *	USB 3.2	C USB 3.2 1x3.1	2
USB *	USB	Thunderbolt(RJ-45) Ethernet	1
USB	USB	HDMI	1
Display		DisplayPort	2.0
Display *	39.6 cm (15.6")	Mini DisplayPort	1
Display *	1920 x 1080	Resolution	1
Display *	×	Color/Resolution	×
HD	Full HD	Color/Resolution	✓
Display	IPS	USB	✓
LED	✓	USB	1
Display	16:9	Item	
Processor		Processor	Intel® Core™ E-2176M
Processor *	Intel	Item	
Processor *	Intel® Core™ E-2176M	Item	ThinkPad UltraNav
Processor *	E-2176M	Item *	✓
Processor	6	Item	✓
Processor	12	Item	✓
Processor	4.4 GHz	Item	✓
Processor *	2.7 GHz	Windows	✓
Processor	8 GT/s	Item	
Processor	12 MB	Item	64-bit
Processor	Cache	Item *	Windows 10 Pro for Workstations
Processor	BGA 1440	Item	
Processor	14 nm	Item	✓
Processor	64-bit	Item	✓
Processor(codename)	Coffee Lake	Item	✓
Processor	DMI	Item	✓
Processor	U0	Item	2.0
Processor (TDP)	45 W	Item	✓
Processor TDP	35 W	Item	✓
Processor TDP	2.2 GHz	Item	✓
Tjunction	100 °C	Item	✓
PCI Express	16	Item	✓
PCI Express	3.0	Item	✓
PCI Express	1x16, 1x8+2x4, 2x8	Item	✓

CPU		Security	
Memory ECC	✓	Intel®AES	✓
Memory		Intel®	
Memory *	16 GB	Intel®	✓
Memory	DDR4-SDRAM	Intel® (EPT) Intel® VT-x	✓
Memory	2400 MHz	Intel®	✓
Memory	SO-DIMM	Intel®TSX-Nii	✓
Memory	1 x 16 GB	Intel®(SIPP)	✓
Memory	4x SO-DIMM	Intel® OS Guard	✓
Memory *	64 GB	Intel® (Intel® SGX)	✓
Memory	✓	Intel®MID	✓
Storage		Intel®64	✓
Memory *	512 GB	Memory	✓
Memory *	SSD	Memory	✓
SSD	1	Memory	✓
Memory	512 GB	Memory	✓
Memory	M.2	Memory	42 x 28 mm
Memory *	✗	Memory	AVX 2.0, SSE4.1, SSE4.2
Memory	✓	Memory	SR3YX
Memory	MMC, SD, SDHC, SDXC	CPU	1
GPU		Memory	✓
Memory *	NVIDIA® Quadro® P2000	Intel®/Intel®(Intel® VT-d)	✓
Memory	4 GB	Intel® (Intel® IPT)	1.00
Memory *	✓	Intel® (Intel® SIPP)	1.00
Memory *	✓	Intel®	1.00
Memory	Intel® UHD	Intel® TSX-Ni	1.00
Memory *	Intel UHD Graphics P630	Intel®VT-x	✓
Memory	350 MHz	Intel® ARK ID	134867
Memory	1200 MHz	Power	
Memory	64 GB	Memory	Li-Ion
Memory	12.0	Memory	6
Memory	DirectX	Memory *	90 Wh
Memory	OpenGL	Power	
Memory	ID	Memory	170 W
Audio		Memory	50 - 60 Hz
Memory	Realtek ALC3286	Memory	100 - 240 V
Memory	Dolby Audio Premium	Power	
Memory	2	Memory	✓
Memory	2 W	Memory	✓
Memory	✓	Memory (SIPP)	✓
Memory	2	Memory	✓
Display		Memory	HDD, , ,
Memory	✓	Power	
Memory	1280 x 720	Memory	RoHS
Memory	720p	Power	
Memory	HD	Memory	EPEAT Gold, ENERGY STAR
Network		Power	
Memory	✓	Memory	377.4 mm
Wi-Fi *	Wi-Fi 5 (802.11ac)	Memory	252.3 mm
Memory	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Memory	2.45 cm
Memory	✓	Memory	2.94 cm
Memory	10,100,1000 Mbit/s	Memory *	2.57 kg
Memory	✓	Power	
Memory	5.0	Memory	AC *
		Memory	✓

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Catalog Object Cloud



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