



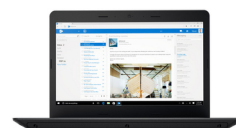
Lenovo ThinkPad E470 Intel® Core™ i5 i5-7200U 35,6 cm (14") HD 4 GB DDR4-SDRAM 256 GB SSD NVIDIA® GeForce® 920MX Windows 10 Home

Brand : Lenovo

Product family: ThinkPad

Product code: 20H1001QCD

Product name : E470



Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product colour *	Black, Silver	Docking connector	✗
Form factor *	Clamshell	USB Sleep-and-Charge	✓
Display		USB Sleep-and-Charge ports	1
Display diagonal *	35.6 cm (14")	Keyboard	
Display resolution *	1366 x 768 pixels	Pointing device	ThinkPad UltraNav
Touchscreen *	✗	Numeric keypad *	✗
HD type	HD	Spill-resistant keyboard	✓
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	Intel	Operating system installed *	Windows 10 Home
Processor family *	Intel® Core™ i5	Processor special features	
Processor generation	7th gen Intel® Core™ i5	Intel® Wireless Display (Intel® WiDi)	✓
Processor model *	i5-7200U	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	2	Intel® Smart Response Technology	✓
Processor threads	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	3.1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	2.5 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	4 GT/s	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache	3 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	BGA 1356	Intel Clear Video Technology	✓
Processor lithography	14 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit	Intel® Insider™	✓
Processor codename	Kaby Lake	Intel® Quick Sync Video Technology	✓
Bus type	OPI	Intel Flex Memory Access	✓
Stepping	H0	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.7 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.8 GHz		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		
PCI Express slots version	3.0		

Processor		Processor special features	
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	4 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2400 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory form factor	SO-DIMM	Intel® OS Guard	✓
Memory slots	2x SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Maximum internal memory *	32 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage		Intel 64	✓
Total storage capacity *	256 GB	Execute Disable Bit	✓
Storage media *	SSD	Idle States	✓
Number of SSDs installed	1	Thermal Monitoring Technologies	✓
SSD capacity	256 GB	Processor package size	42 x 24 mm
Optical drive type *	✗	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR2ZU
Compatible memory cards	MMC, SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® 920MX	Graphics & IMC lithography	14 nm
Discrete graphics card memory	2 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1.00
Discrete graphics card *	✓	Intel Smart Response Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card model *	Intel® HD Graphics 620	Intel Secure Key Technology version	1.00
On-board graphics card base frequency	300 MHz	Intel TSX-NI version	0.00
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	32 GB	Processor ARK ID	95443
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.4	Battery	
On-board graphics card ID	0x5916	Battery technology	Lithium Polymer (LiPo)
Audio		Number of battery cells	3
Number of built-in speakers	2	Battery life (max)	8.4 h
Speaker power	2 W	Security	
Built-in microphone	✓	Cable lock slot	✓
Camera		Password protection	✓
Front camera	✓	Weight & dimensions	
Network		Width	339 mm
Wi-Fi	✓	Depth	242 mm
Ethernet LAN	✓	Weight *	1.87 kg
Ethernet LAN data rates	10,100,1000 Mbit/s	Packaging content	
Bluetooth	✓	AC adapter included *	✓
Ports & interfaces		Other features	
USB 2.0 ports quantity *	1	Intel segment tagging	Home office, Small Business
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
DVI port	✗		
Microphone in	✗		

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