Lenovo ThinkPad E570 Intel® Core™ i5 i5-7200U Sülearvuti 39,6 cm (15.6") Full HD 4 GB DDR4-SDRAM 180 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Pro Must
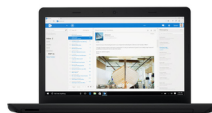
Brand : Lenovo   **Product family:** ThinkPad   **Product code:** 20H5009TMH

Product name : E570

Lenovo ThinkPad E570. Toote tüüp: Sülearvuti, Toote kuju: Kokkukäiv. Protsessori perekond: Intel® Core™ i5, Protsessori mudel: i5-7200U, Protsessori sagedus: 2,5 GHz. Ekraani diagonaal: 39,6 cm (15.6"), HD tüüp: Full HD, Ekraani resolutsioon: 1920 x 1080 pikslit. Sisemälu: 4 GB, Sisemälu tüüp: DDR4-SDRAM. Salvestusmaht kokku: 180 GB, Salvestusseade: SSD, Optilise seadme tüüp: DVD±RW. Installitud operatsioonisüsteem: Windows 10 Pro. Toote värv: Must

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Acrylonitrile butadiene styrene (ABS)
Market positioning	Business

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt
Display brightness	250 cd/m²
Contrast ratio (typical)	600:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	7th gen Intel® Core™ i5
Processor model *	i5-7200U
Processor cores	2
Processor threads	4
Processor boost frequency	3.1 GHz
Processor frequency *	2.5 GHz
System bus rate	4 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1356
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Kaby Lake
Bus type	OPI
Stepping	H0
Thermal Design Power (TDP)	15 W
Configurable TDP-up frequency	2.7 GHz

Ports & interfaces

USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel SoC

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✔
Spill-resistant keyboard	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Trial software	Microsoft Office
Operating system installed *	Windows 10 Pro

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Smart Response Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔

Processor

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
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2133 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 4 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	180 GB
Storage media *	SSD
Number of SSDs installed	1
SSD capacity	180 GB
SSD interface	SATA III
Optical drive type *	DVD±RW
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 620
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1000 MHz
Maximum on-board graphics card memory	32 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x5916
Number of discrete graphics cards supported	1
Maximum resolution	1920 x 1080 pixels

Audio

Number of built-in speakers	2
Speakers manufacturer	Conexant
Speaker power	2 W
Built-in microphone	✔
Audio decoders	Dolby Audio Premium

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP
Front camera resolution	1280 x 720 pixels

Network

Wi-Fi	✔

Processor special features

Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 24 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR2ZU
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Smart Response Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	95443
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	41 Wh
Battery life (max)	7 h

Power

AC adapter power	45 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Supervisor

Certificates

Compliance certificates	RoHS

Network

Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.1

Ports & interfaces

USB 2.0 ports quantity *	1
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	✘
VGA (D-Sub) ports quantity	1
Combo headphone/mic port	✔
Docking connector	✘
USB Sleep-and-Charge	✔

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Width	379 mm
Depth	261 mm
Height	25.4 mm
Weight *	2.3 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Other features

Maximum internal memory (64-bit)	32 GB
Intel segment tagging	Home office, Small Business

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