



Lenovo ThinkPad 13 Intel® Core™ i5 i5-7200U 33,8 cm (13.3") Full HD 8 GB DDR4-SDRAM 256 GB SSD FreeDOS Swiss

Brand : Lenovo

Product family: ThinkPad

Product code: 20J2DOSCHS

Product name : 13

Lenovo ThinkPad 13. Faktor bentuk: Kulit kerang. Keluarga prosesor: Intel® Core™ i5, Model prosesor: i5-7200U, Frekuensi prosesor: 2,5 GHz. Diagonal layar: 33,8 cm (13.3"), Tipe HD: Full HD, Resolusi layar: 1920 x 1080 piksel. Memori internal: 8 GB, Tipe memori internal: DDR4-SDRAM. Total kapasitas penyimpanan: 256 GB, Media penyimpanan: SSD. Model adaptor grafis pada papan induk: Intel® HD Graphics 620. Sistem operasi yang terpasang: FreeDOS. Berat: 1,44 kg



Desain		Keyboard	
Faktor bentuk *	Kulit kerang	Alat penunjuk	ThinkPad UltraNav
Pemosisian pasar	Bisnis	Tombol angka *	✗
Layar		Lampu latar keyboard	✗
Diagonal layar *	33,8 cm (13.3")	Tombol Windows	✓
Resolusi layar *	1920 x 1080 piksel	Tata letak keyboard	QWERTZ
Layar sentuh *	✗	Bahasa keyboard	Swiss
Tipe HD	Full HD	Jumlah tombol penunjuk	1
Jenis panel	IPS	Jumlah tombol touchpad	3
Lampu belakang LED	✓	Perangkat lunak	
Rasio aspek native	16:9	Arsitektur sistem operasi	64-bit
Permukaan Tampilan	Matte	Sistem operasi yang terpasang *	FreeDOS
Bentuk layar	Datar	Fitur khusus prosesor	
Layar ganda	✗	Intel® Wireless Display (Intel® WiDi)	✓
Prosesor		Teknologi Intel® My WiFi (Intel® MWT)	✓
Produsen prosesor *	Intel	Teknologi Intel® Smart Response	✓
Keluarga prosesor *	Intel® Core™ i5	Teknologi Intel® Identity Protection (Intel® IPT)	✓
Generasi prosesor	Intel® Core™ i5 generasi ke-7	Teknologi Intel® Hyper Threading (Intel® HT Technology)	✓
Model prosesor *	i5-7200U	Teknologi Intel® Turbo Boost	2.0
Inti prosesor	2	Kelebihan Bisnis Kecil Intel® (Intel® SBA)	✓
Thread prosesor	4	Teknologi SpeedStep Intel® yang diperbaharui	✓
Frekuensi pendorong prosesor	3,1 GHz	Teknologi Intel® Clear Video HD (Intel® CVT HD)	✓
Frekuensi prosesor *	2,5 GHz	Teknologi video Terang Intel®	✓
Kecepatan bus sistem	4 GT/dt	Teknologi Intel® InTru™ 3D	✓
Cache prosesor	3 MB	Orang dalam Intel® (Intel® Insider™)	✓
Tipe cache Prosesor	Smart Cache	Teknologi Intel® Quick Sync Video	✓
Soket prosesor	BGA 1356	Akses Memori Fleks Intel®	✓
Litografi prosesor	14 nm	Instruksi Baru AES Intel® (Intel® AES-NI)	✓
Modus pengoperasian prosesor	64-bit	Teknologi Eksekusi Terpercaya Intel®	✗
Nama kode prosesor	Kaby Lake		
Bus type	OPI		
Pelangkahan	H0		
Thermal Design Power (TDP)	15 W		
Frekuensi TDP bagian atas yang dapat dikonfigurasi	2,7 GHz		
TDP bagian atas yang dapat dikonfigurasi	25 W		
TDP-down dapat dikonfigurasi	7,5 W		

Prosesor		Fitur khusus prosesor	
Frekuensi TDP bagian bawah yang dapat dikonfigurasi	0,8 GHz	Intel® Enhanced Halt State	✓
Tjunction	100 °C	Intel® VT-x dengan Tabel Halaman Ekstensi (EPT)	✓
Jumlah maksimal jalur Ekspres PCI	12	Intel® Secure Key	✓
Versi slot PCI Express	3.0	Intel® TSX-NI	✗
Konfigurasi PCI Express	1x2+2x1, 1x4, 2x2, 4x1	Program Platform Gambar Stabil Intel® (SIPP)	✗
EEC didukung oleh prosesor	✗	Intel® Penjaga OS	✓
Memori		Ekstensi Penjaga Perangkat Lunak Intel® (Intel® SGX)	✓
Memori internal *	8 GB	Teknologi Video Jelas Intel® untuk MID (Intel® CVT for MID)	✓
Tipe memori internal	DDR4-SDRAM	Intel® 64	✓
Kecepatan memori	2133 MHz	Bit Nonaktif Eksekusi	✓
Faktor bentuk memori	SO-DIMM	Keadaan Diam	✓
Tata letak memori (slot x ukuran)	1 x 8 GB	Teknologi Monitor Termal	✓
Slot memori	2x SO-DIMM	Ukuran paket prosesor	42 x 24 mm
Memori internal maksimal *	16 GB	Set instruksi yang didukung	AVX 2.0, SSE4.1, SSE4.2
media penyimpanan		Kode prosesor	SR2ZU
Total kapasitas penyimpanan *	256 GB	Konfigurasi CPU (maks)	1
Media penyimpanan *	SSD	Pilihan Tertanam Tersedia	✗
Antarmuka SSD	SATA	Litografi Graphics & IMC	14 nm
Faktor bentuk SSD	M.2	Intel® Virtualization Technology untuk Directed I/O (VT-d)	✓
Tipe drive optikal *	✗	Intel Identity Protection Technology version	1,00
Pembaca kartu terintegrasi	✓	Versi Teknologi Respons Pintar Intel®	1,00
Kartu memori yang kompatibel	MMC, SD, SDHC, SDXC	Versi Program Platform Gambar Stabil Intel® (SIPP)	0,00
Grafik		Intel Secure Key Technology version	1,00
Adaptor grafis pada papan induk *	✓	Versi TSX-NI Intel®	0,00
Keluarga adaptor VGA internal	Intel® HD Graphics	Teknologi Virtualisasi Intel® (VT-x)	✓
Model adaptor grafis pada papan induk *	Intel® HD Graphics 620	ID ARK prosesor	95443
Frekuensi basis adapter grafis on-board	300 MHz	Prosesor tanpa gangguan	✓
Frekuensi dinamis adapter grafis On-board (maks)	1000 MHz	Baterai	
Memori adaptor grafik di kendaraan maksimal	32 GB	Teknologi baterai	Polimer Lithium (LiPo)
Versi DirectX adaptor grafik di kendaraan	12.0	Jumlah sel baterai	3
Versi OpenGL adaptor grafik di kendaraan	4.4	Kapasitas baterai *	42 Wj
ID adaptor grafik di kendaraan	0x5916	Daya	
Resolusi maksimal	3840 x 2160 piksel	Daya adaptor AC	45 W
Audio		Frekuensi adaptor AC	50 - 60 Hz
Daya pengeras suara	2 W	Tegangan masuk adaptor AC	100 - 240 V
Mikrofon terpasang	✓	DC-in jack	✓
Kamera		Keamanan	
Kamera depan	✓	Slot kunci kabel	✓
Resolusi Kamera Depan	1280 x 720 piksel	Tipe slot kunci Kabel	Kensington
Format sinyal kamera depan	720p	Pembaca sidik jari	✗
Jaringan		Trusted Platform Module (TPM)	✓
Wi-Fi	✓	Perlindungan password	✓
Standar Wi-Fi	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Tipe perlindungan kata sandi	HDD, Ketika dihidupkan, Supervisor
Tipe antena	2x2	Sertifikat	
Model pengontrol WLAN	Intel Dual Band Wireless-AC 8265	Sertifikat kepatuhan	RoHS
Ethernet LAN	✗	Kelestarian lingkungan	
Versi bluetooth	4.1	Sertifikat keberlanjutan	ENERGY STAR
NFC (Komunikasi Jarak Dekat)	✗	Berat dan dimensi	
WWAN	Tidak terinstal	Panjang	323 mm

Port & antarmuka		Berat dan dimensi	
Kuantitas port Tipe A USB 3.2 Gen 1 (3.1 Gen 1) *	3	Lebar	223 mm
Kuantitas port Tipe C USB 3.2 Gen 1 (3.1 Gen 1) *	1	Tinggi (depan)	2 cm
Jumlah port HDMI *	1	Tinggi (belakang)	2,5 cm
Soket DVI	✗	Berat *	1,44 kg
Mikrofon masuk	✗	Isi kemasan	
Soket mic/headphone Combo	✓	Adaptor AC disertakan *	✓
Konektor dok	✓	Pena stilus	✗
Slot SmartCard	✗	Panduan	✓
Tidur-dan-Isi USB	✓	Panduan memulai cepat	✓
Port Tidur-dan-Isi USB	1	Kabel listrik disertakan	✓
Performa		Fitur lainnya	
Chipset papan induk	Intel® SoC	LightScribe	✗
GPS (satelit)	✗	Cache L2	512 KB
Kompas elektronik	✗	Kontroler LAN	Intel® I219-V
Sensor cahaya ambient	✗	Number of WLAN antennas	2
Akselerometer	✗	Sensor warna	✗
Sensor jarak	✗	Berat adaptor daya	250 g
Giroskop	✗		

Catalog Object Cloud



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