



Lenovo ThinkPad L380 Intel® Core™ i7 i7-8550U Laptop 33,8 cm (13.3") Full HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Pro Zilver

Merk : Lenovo

Productfamilie: ThinkPad

Artikelcode: 20M5000VTX

Productnaam : ThinkPad L380



Intel Core i7-8550U (8MB Cache, 1.80GHz), 8GB DDR4-SDRAM, 256GB SSD, 33.8 cm (13.3") Full HD 1920 x 1080 IPS, Intel UHD Graphics 620, WLAN, Bluetooth, Webcam, Windows 10 Pro 64-bit
Lenovo ThinkPad L380. Producttype: Laptop, Vormfactor: Clamshell. Processorfamilie: Intel® Core™ i7, Processormodel: i7-8550U, Frequentie van processor: 1,8 GHz. Beeldscherm diagonaal: 33,8 cm (13.3"), HD type: Full HD, Resolutie: 1920 x 1080 Pixels. Intern geheugen: 8 GB, Intern geheugentype: DDR4-SDRAM. Totale opslagcapaciteit: 256 GB, Opslagmedia: SSD. On-board graphics adapter model: Intel® UHD Graphics 620. Inclusief besturingssysteem: Windows 10 Pro. Kleur van het product: Zilver



Design		Poorten & interfaces	
Producttype *	Laptop	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *	2
Kleur van het product *	Zilver	Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type C *	2
Vormfactor *	Clamshell	Aantal HDMI-poorten *	1
Materiaal behuizing	Aluminium	HDMI versie	1.4b
Markt positionering	Bedrijf	Hoofdtelefoonuitgangen	1
Beeldscherm		Microfoon, line-in ingang	✗
Beeldscherm diagonaal *	33,8 cm (13.3")	Combo koptelefoon/microfoon port	✓
Resolutie *	1920 x 1080 Pixels	USB Sleep-and-Charge	✓
Touchscreen *	✗	USB Sleep-and-Charge poorten	1
HD type	Full HD	Prestatie	
Soort paneel	IPS	Chipset moederbord	Intel SoC
LED backlight	✓	Toetsenbord	
Oorspronkelijke beeldverhouding	16:9	Aanwijsapparaat	ThinkPad UltraNav
Beeldoppervlakte	Mat	Numeriek toetsenblok *	✗
Helderheid	250 cd/m²	Keyboard met achtergrondverlichting	✓
Dubbele scherm	✗	Morsbestendig toetsenbord	✓
Typische contrastverhouding	700:1	Windows-toetsen	✓
Processor		Software	
Processorfabrikant *	Intel	Architectuur besturingssysteem	64-bit
Processorfamilie *	Intel® Core™ i7	Inclusief besturingssysteem *	Windows 10 Pro
Processorgeneratie	Intel® 8de generatie Core™ i7	Processor speciale functies	
Processormodel *	i7-8550U	Intel My WiFi Technology	✓
Aantal processorkernen	4	Intel® Smart Response Technology	✓
Processor aantal threads	8	Intel Identity Protection Technology	✓
Maximale turbofrequentie van processor	4 GHz	Intel Hyper-Threading Technology	✓
Frequentie van processor *	1,8 GHz	Intel® Turbo Boost Technology	2.0
Systeembus	4 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	8 MB		
Processor socket	BGA 1356		
Processor lithografie	14 nm		
Processor operating modes	64-bit		

Processor		Processor speciale functies	
Codenaam processor	Kaby Lake R	Intel Clear Video HD Technology	✓
Bus type	OPI	Intel® Clear Video-technologie	✓
Stepping	Y0	Intel® InTru™ 3D Technology	✓
Thermal Design Power (TDP)	15 W	Intel® Quick Sync Video Technology	✓
Configureerbare TDP-upfrequentie	2 GHz	Intel Flex Memory Access	✓
Configureerbare TDP-up	25 W	Intel AES New Instructions	✓
Configureerbare TDP-down	10 W	Intel Trusted Execution Technology	✗
Configureerbare TDP-downfrequentie	0,8 GHz	Intel Enhanced Halt State	✓
Tjunction	100 °C	Intel VT-x with Extended Page Tables (EPT)	✓
Maximaal aantal PCI Express-lijnen	12	Intel Secure Key	✓
PCI Express slots versie	3.0	Intel TSX-NI	✗
PCI Express configuraties	1x2+2x1, 1x4, 2x2, 4x1	OS Guard	✓
ECC ondersteund door processor	✗	Intel® Software Guard Extensions (Intel® SGX)	✓
Geheugen		Intel Clear Video Technology for MID	✓
Intern geheugen *	8 GB	Intel® 64	✓
Intern geheugentype	DDR4-SDRAM	Execute Disable Bit	✓
Kloksnelheid geheugen	2400 MHz	Idle States	✓
Geheugen form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Geheugenlayout	1 x 8 GB	Verpakkingsgrootte processor	42 x 24 mm
Geheugenslots	2x SO-DIMM	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Maximum intern geheugen *	32 GB	CPU configuratie (max)	1
Opslagmedia		Ingebouwde opties beschikbaar	✗
Totale opslagcapaciteit *	256 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Opslagmedia *	SSD	Versie Intel® Identity Protection Technology	1,00
Aantal geïnstalleerde SSD's	1	Versie Intel® Smart Response Technology	1,00
Solid State Drive (SSD) capaciteit	256 GB	Versie Intel® Secure Key Technology	1,00
SSD-vormfactor	M.2	Versie Intel® TSX-NI	0,00
Soort optische drive *	✗	Intel® Virtualization Technology (VT-x)	✓
Geïntegreerde geheugenkaartlezer	✓	ARK ID processor	122589
Compatibele geheugenkaarten	MicroSD (TransFlash)	Conflictvrije processor	✓
Grafisch		Accu/Batterij	
Discreet grafische adapter model *	Niet beschikbaar	Energie-opslagtechnologie accu/batterij	Lithium-Ion (Li-Ion)
Ingebouwde grafische adapter *	✓	Accu/Batterij capaciteit *	45 Wh
Aparte grafische adapter *	✗	Snel opladen	✓
Familie ingebouwde grafische adapter	Intel® UHD Graphics	Energie	
On-board graphics adapter model *	Intel® UHD Graphics 620	AC-adapter, vermogen	65 W
Basisfrequentie ingebouwde grafische adapter	300 MHz	AC-adapterfrequentie	50 - 60 Hz
Graphics on-board -adapter dynamische frequentie (max)	1150 MHz	AC-adapter ingangsspanning	100 - 240 V
Maximaal geheugen ingebouwde grafische adapter	32 GB	Beveiliging	
On-board grafische adapter DirectX-versie	12.0	Bevestigingsmogelijkheid voor kabelslot	✓
On-board grafische adapter OpenGL versie	4.4	Trusted Platform Module (TPM)	✓
On-board grafische adapter ID	0x5917	Wachtwoordbeveiliging	✓
Audio		Password bescherming	HDD, Inschakelen, Supervisor
Audiochip	Realtek ALC3287	Certificaten	
Audiosysteem	Dolby Audio	Certificaten van naleving	RoHS
Aantal ingebouwde luidsprekers	2	Certificering	MIL-STD-810G
Vermogen luidsprekers	2 W	Duurzaamheid	
Ingebouwde subwoofer	✗	Duurzaamheidscertificaten	EPEAT Gold, ENERGY STAR
Ingebouwde microfoon	✓		
Camera			
Camera voorzijde	✓		
Resolutie camera voorzijde	1280 x 720 Pixels		

Camera		Gewicht en omvang	
Signaalformaat camera voorkant	720p	Breedte	321,8 mm
Voorcamera HD-type	HD	Diepte	224,2 mm
Infrarood (IR) camera	✗	Hoogte	18,8 mm
Automatisch scherpstellen	✗	Gewicht *	1,46 kg
Netwerk		Inhoud van de verpakking	
Wi-Fi	✓	Inclusief AC-adapter *	✓
Hoogste Wi-Fi-standaard *	Wi-Fi 5 (802.11ac)	Gebruikershandleiding	✓
Wi-Fi-standaarden	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Garantiekarta	✓
Ethernet LAN	✗	Inclusief netsnoer	✓
Bluetooth	✓	Overige specificaties	
Bluetooth-versie	4.1	LightScribe	✗
WWAN	Niet geïnstalleerd	3D-compatibiliteit	✗
		Maximaal intern geheugen (64-bit)	32 GB
		SIM card support	✗

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