



Santa Maria, 01 de Agosto de 2024.

DISPENSA DE LICITAÇÃO Nº 129/2024 COM BASE NO ART. Nº 75, INCISO II da Lei 14.133/202

Objeto: AQUISIÇÃO DE NOTEBOOKS PARA AS SECRETARIAS DO MUNICÍPIO DE SANTA CLARA DO SUL – RS.

PROPOSTA:

Razão Social da Empresa: SM INFO COMÉRCIO DE ELETRÔNICOS LTDA

CNPJ: 08.374.629/0001-03 Telefone: 05532234101

Endereço: Rua Olavo Bilac, 95 E-mail: gabriele@trishopinfo.com.br

Pessoa para Contato: Gabriele Soares

Dados Bancários da Empresa:

Agência: 0434 Conta: 25208-3

Prazo de validade da proposta: 60 dias Prazo de entrega: 10 dias

ITEM	DESCRIÇÃO	UNIDADE	VALOR TOTAL
01	NOTEBOOK- TELA 15,6", 8 GB RAM DDR4, PROC INTEL I5 12ª GERAÇÃO, 256 GB NVME-W 11 PRO. LENOVO V15 G3 IAP P/N: 82UM0007BR	14	R\$ 52.122,00

Despesas inerentes a impostos, tributos, entrega/frete, contratação de pessoal e outros, correrão totalmente por conta da Empresa contratada; incluindo garantia de doze meses.

Santa Maria, 01 de Agosto de 2024.

**NEIMAR DIAS DE
CASSENOT:693497200
78**

Assinado de forma digital por

NEIMAR DIAS DE

CASSENOT:69349720078

Dados: 2024.08.01 17:32:18 -03'00'

Neimar Dias de Cassenot (Sócio-Gerente)

RG: 2044023527

CPF: 693.497.200-78

Rua Olavo Bilac, 95 – sala 02. Fone: (55) 3223-4101.

Santa Maria – RS

Email: neimar@trishopinfo.com.br

PERFORMANCE

Processor

Intel® Core™ i5-1235U, 10C (2P + 8E) / 12T, P-core 1.3 / 4.4GHz, E-core 0.9 / 3.3GHz, 12MB

Graphics^[1]

Integrated Intel® Iris® Xe Graphics Functions as UHD Graphics

Chipset

Intel® SoC Platform

Memory

8GB Soldered DDR4-3200

Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

Max Memory^[2]

Up to 16GB (8GB soldered + 8GB SO-DIMM) DDR4-3200 offering

Storage

256GB SSD M.2 2242 PCIe® 4.0x4 NVMe® + Empty HDD Bay

Storage Support^[3]

Models with 38Wh battery: up to two drives, 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 2242 SSD up to 1TB

Storage Slot

Models with 38Wh battery: one 2.5" drive slot + one M.2 slot

- One 2.5" SATA HDD slot
- One M.2 2280 PCIe® 4.0 x4 slot

Card Reader

None

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 1.5W x2, Dolby Audio™

Camera

HD 720p with Privacy Shutter

Microphone

2x, Array

Battery

Integrated 38Wh

Power Adapter

65W Round Tip (3-pin)

DESIGN

Display

15.6" FHD (1920x1080) TN 250nits Anti-glare

Touchscreen

None

Keyboard

Non-backlit, Portuguese (BR)

Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

Case Color

Business Black

Surface Treatment

Texture

Case Material

PC-ABS (Top), PC-ABS (Bottom)

Dimensions (WxDxH)^[4]

359 x 236 x 19.9 mm (14.13 x 9.29 x 0.78 inches)

Weight^[5]

Starting at 1.7 kg (3.75 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, Portuguese (Brazil)

Bundled Software

Office Trial

CONNECTIVITY

Ethernet

100/1000M (RJ-45)

WLAN + Bluetooth^[6]

Wi-Fi® 5, 802.11ac 2x2 + BT5.1

Standard Ports

- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Power connector

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0 Enabled

Fingerprint Reader

None

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

Other Security

Camera privacy shutter

SERVICE

Base Warranty

None

Included Upgrade

1Y Sealed Battery Add On, 1Y Premier Support upgrade from OY base

ACCESSORIES

Bundled Accessories^[7]

None

CERTIFICATIONS

Green Certifications^[8]

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3
- RoHS compliant

Other Certifications

TÜV Rheinland® Low Blue Light (Software Solution)

Mil-Spec Test

MIL-STD-810H military test passed

MODEL

TopSeller	: Yes	Announce Date	: 2022-09-16
EAN / UPC / JAN	: 196801606609	End of Support	: N/A



intel

Product image is a sample, it may not match the real color of this model

Note:

^[1] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

^[2] The max memory is based on the test results with current Lenovo memory offerings.

^[3] The storage capacity supported is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/1931?M=82UM0007BR>

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Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

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- Onsite Support
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Recommended Accessories



Lenovo 65W Standard AC Adapter (USB Type-C)- US/Can/Mex

4X20M26268

This Lenovo 65W Standard AC Adapter (USB Type-C) Power Adapter offers fast, efficient charging at home, in the office, or on the go. This power adapter is compatible with ThinkPad USB-C enabled Notebook and Tablet.



Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

For a full list of accessories and services, please visit:
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Lenovo

PSREF
Product Specifications
Reference

CPU Benchmarks

 Over 1,000,000 CPUs Benchmarked

Intel Core i5-1235U

Benchmarks for the Intel Core i5-1235U can be found below. Release dates, price and performance comparisons are also listed when available. This is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

- The first graph shows the relative performance of the CPU compared to the 10 other common (single) CPUs in terms of PassMark CPU Mark.
- The 2nd graph shows the value for money, in terms of the CPUMark per dollar.
- The pricing history data shows the price for a single Processor. For multiple Processors, multiply the price shown by the number of CPUs.



Intel Core i5-1235U	
Description: Intel Iris Xe Graphics	
Class: Laptop, Mobile/Embedded	Socket: FCBGA1744
Total Cores: 10 Cores, 12 Threads	
Performance Cores: 2 Cores, 4 Threads, 1.3 GHz Base, 4.4 GHz Turbo	
Efficient Cores: 8 Cores, 8 Threads, 0.9 GHz Base, 3.3 GHz Turbo	
Typical TDP: 15 W	TDP Up : 55 W
Cache per CPU Package:	Cache per Eff. CPU Package:
L1 Instruction Cache: 2 x 32 KB L1 Data Cache: 2 x 48 KB L2 Cache: 2 x 1280 KB L3 Cache: 12 MB	Eff. L1 Instruction Cache: 8 x 64 KB Eff. L1 Data Cache: 8 x 32 KB Eff. L2 Cache: 2 x 2048 KB
Memory Support: Max. Memory Size: 64 GB (Up to DDR5 4800 MT/s, Up to DDR4 3200 MT/s, Up to)	
Other names: 12th Gen Intel(R) Core(TM) i5-1235U, 12th Gen Intel Core i5-1235U	
CPU First Seen on Charts: Q1 2022	
CPUmark/\$Price: 43.41	
Overall Rank: 932nd fastest in multithreading out of 4777 CPUs 379th fastest in single threading out of 4777 CPUs 212th fastest in out of 1414 Laptop CPUs 43rd fastest in out of 991 Mobile/Embedded CPUs	
Last Price Change: \$309.00 USD (2022-01-01)	

Average CPU Mark
 

Multithread Rating

13414

Single Thread Rating

3223

Samples: 1975*

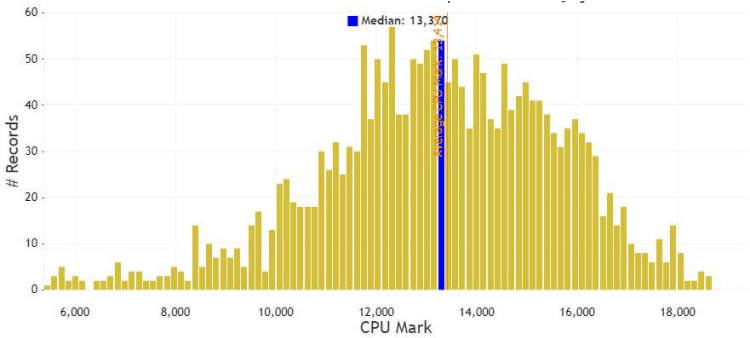
*Margin for error: Low

+ COMPARE

CPU Test Suite Average Results for Intel Core i5-1235U

Integer Math	50,719 MOps/Sec
Floating Point Math	34,078 MOps/Sec
Find Prime Numbers	37 Million Primes/Sec
Random String Sorting	17,499 Thousand Strings/Sec
Data Encryption	9,652 MBytes/Sec
Data Compression	151,010 KBytes/Sec
Physics	738 Frames/Sec
Extended Instructions	8,353 Million Matrices/Sec
Single Thread	3,223 MOps/Sec

CPU Mark Distribution for Intel Core i5-1235U



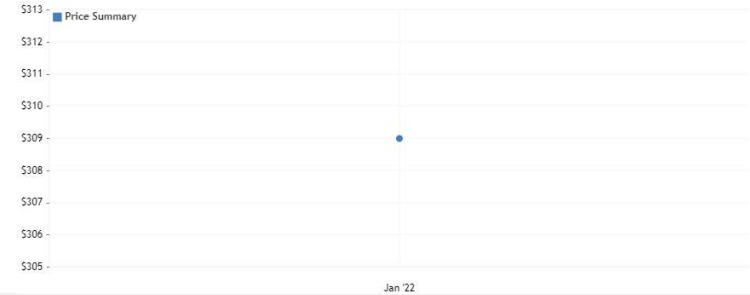
From submitted results to PerformanceTest V10 as of 28th of July 2024.
For distribution graph only: Results are [trimmed](#) to exclude outliers by disregarding the bottom 1% and top 1% of submissions.

Search for **Intel Core i5-1235U**
from the Featured Merchants below:



Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

Pricing History



Machines with this CPU (or similar)

	Lenovo V15 Gen 3 Business Laptop, 15.6" FHD Display, Intel Core i5-1235U, 40GB RAM, 1TB SSD, Webcam, HDMI, RJ-45, Wi-Fi, Windows 11 Home, Black	\$589.00 (www.amazon.com)
	ASUS Vivobook 16" WUXGA Laptop, Intel Core i5-1235U, Intel Iris Xe Graphics, 16GB Memory, 512GB SSD, Cool Silver, F1605ZA-AS56	\$479.99 (www.amazon.com)
	HP 17 Inch Laptop, Intel Core i5-1235U Powerful Processor, 17.3" FHD Anti-glare Display, 16GB RAM, 1TB SSD, Windows 11 Home, Backlit Keyboard, Natural Silver, Renewed, Alpacatec Accessory	\$539.99 (www.amazon.com)
	Lenovo Ideapad 15.6 FHD Laptop, 12th Gen Intel i5-1235U/Beats J7-1195G7, 16GB RAM, 512GB SSD, Wi-Fi 6, Numeric Keypad, Webcam, Bluetooth, Windows 11, GM Accessories	\$469.00 (www.amazon.com)
	Dell Latitude 5530 Business Laptop, 15.6" FHD Display, 12th Gen Intel Core i5-1235U, 16GB RAM, 512GB SSD, Webcam, HDMI, Thunderbolt 4, Backlit Keyboard, Wi-Fi 6, Windows 11 Pro, Silver	\$839.77 (www.amazon.com)

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CPU Mark Relative to Top 10 Common Laptop, Mobile/Embedded CPUs

As of 1st of August 2024 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 74 Extreme	96 464

AMD Ryzen 7 5800H		21,042
Apple M1 8 Core 3200 MHz		14,173
Intel Core i5-1235U		13,414
Intel Core i7-9750H @ 2.60GHz		10,840
Apple A15 Bionic		9,899
Intel Core i5-1135G7 @ 2.40GHz		9,785
Apple A14 Bionic		8,549
Apple A13 Bionic		5,690
Intel N100		5,512

CPU Value (CPU Mark / \$Price)

As of 1st of August 2024 - Higher results represent better value

Processor	CPU Mark / \$Price	
Intel Core i5-1235U		43.41
Intel N100		43.07
Intel Core i5-1135G7 @ 2.40GHz		31.67
Intel Core i7-9750H @ 2.60GHz		11.29
Apple M1 8 Core 3200 MHz		NA
AMD Ryzen 7 5800H		NA
AMD Ryzen Z1 Extreme		NA
Apple M1 8 Core 3200 MHz		NA
Apple A14 Bionic		NA
Apple A15 Bionic		NA
Apple A13 Bionic		NA

Single Thread Rating

As of 1st of August 2024 - Higher results represent better performance

Processor	Average Thread Rating	
Apple M1 8 Core 3200 MHz		3.695
Apple M1 8 Core 3200 MHz		3.695
AMD Ryzen Z1 Extreme		3.618
Apple A15 Bionic		3.604
Apple A14 Bionic		3.395
Intel Core i5-1235U		3.223
AMD Ryzen 7 5800H		3.047
Intel Core i5-1135G7 @ 2.40GHz		2.685
Intel Core i7-9750H @ 2.60GHz		2.428
Apple A13 Bionic		2.324
Intel N100		1.949

Last 5 Baselines for Intel Core i5-1235U

Most recent listed first

Baseline	CPU Mark	
BL2157916 - Jul 31 2024		13061
BL2157844 - Jul 31 2024		12345
BL2157008 - Jul 30 2024		13876
BL 2156737 - Jul 29 2024		11578

Popular comparisons for Intel Core i5-1235U

As of 1st of August 2024 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i5-1235U	13,414
Intel Core i3-1220P vs Intel Core i5-1235U	14,487 (+8.0%)
Intel Core i5-1245U vs Intel Core i5-1235U	13,407 (-0.1%)
Intel Core i5-1230U vs Intel Core i5-1235U	11,101 (-17.2%)
Intel Core i5-1230U vs Intel Core i5-1235U	11,101 (-17.2%)
Intel Core i5-1345U vs Intel Core i5-1235U	15,222 (+13.5%)
Intel Core i5-1335U vs Intel Core i5-1235U	14,862 (+10.8%)
Intel Core i7-1255U vs Intel Core i5-1235U	13,698 (+2.1%)
Intel Core i3-1315U vs Intel Core i5-1235U	12,362 (-7.8%)
Intel Core i5-11400H @ 2.70GHz vs Intel Core i5-1235U	15,661 (+16.7%)
Apple M2 8 Core 3500 MHz vs Intel Core i5-1235U	15,535 (+15.8%)
Intel Core i5-1334U vs Intel Core i5-1235U	14,731 (+9.8%)
Intel Core i7-1265U vs Intel Core i5-1235U	13,813 (+3.0%)



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- Atendimento via Telefone **0800 536 6861** (Opção 3)
- Atendimento via Chat (Acesse a aba "Fale Conosco" no canto inferior direito da página).

Horário de atendimento

De segunda à sexta das 9h às 18h

Status de Pedidos

Para mais informações clique [aqui](#).

Cancelamento

Para cancelar um pedido, pedir devolução (até 7 dias do recebimento) ou acompanhar seu estorno, entre em contato [via chat](#). Opção 2, mencionando o número do pedido que deseja cancelar.

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Para iniciarmos seu suporte é necessário ter o equipamento em mãos, número de série, Nota Fiscal e disponibilidade para realização de testes.

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Caso não consiga resolver o problema por meio dos canais disponíveis, clique [aqui](#) para preencher o formulário e enviar a descrição do seu problema para nossa equipe dedicada Lenovo Care.

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Est Municipal José Costa de Mesquita, 200 – Mod 11 - Bairro: CHACARA ALVORADA

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