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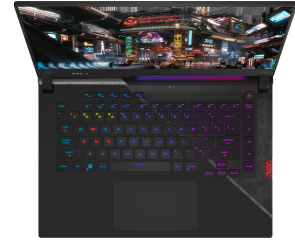
ASUS ROG Strix SCAR 15 G533ZW-LN148W Intel® Core™ i9 i9-12900H Laptop 39.6 cm (15.6") Wide Quad HD 16 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 3070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR0872-M00880

Product name : G533ZW-LN148W

- Windows 11 Home 64-bit
- Intel Core i9-12900H (24MB Cache)
- 39.6 cm (15.6") Wide Quad HD 2560 x 1440 IPS, NVIDIA GeForce RTX 3070 Ti (8GB GDDR6)
- 16GB (4800MHz) DDR5-SDRAM (1 x 16) & 2000GB SSD

Intel Core i9-12900H (24MB Cache), 16GB DDR5-SDRAM, 2000GB SSD, 39.6 cm (15.6") Wide Quad HD 2560 x 1440 IPS, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3070 Ti (8GB GDDR6), LAN, WLAN, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 15 G533ZW-LN148W Intel® Core™ i9 i9-12900H Laptop 39.6 cm (15.6") Wide Quad HD 16 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 3070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black:

PIXEL PERFECT POWER

Draw more frames and win more games with the raw horsepower of the brand new 2022 ROG Strix SCAR 15 with Windows 11 Pro. Tackle any enemy with an Intel® Core™ i9-12900H CPU, paired with an NVIDIA® GeForce RTX™ Laptop GPU with up to a 150W max TGP. Leave loading screens behind thanks to PCIe Gen4 solid state storage. With DDR5 memory bringing more bandwidth than ever before, the SCAR is ready to leave the competition in the dust.

Design

Colour name	Off Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming
Introduction year	2022
Country of origin	China

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	2560 x 1440 pixels
Touchscreen *	✘
HD type	Wide Quad HD
Panel type	IPS
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	300 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	3 ms
Maximum refresh rate	240 Hz
Contrast ratio (typical)	1000:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	12th gen Intel® Core™ i9
Processor model *	i9-12900H
Processor cores	14
Processor cache	24 MB

Network

Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	RGB

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔

Processor

Configurable TDP-down	35 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD interface	NVMe, PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3070 Ti
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel Iris Xe Graphics
NVIDIA G-SYNC	✓

Audio

Audio system	Dolby Atmos
Number of built-in speakers	4
Built-in microphone	✓

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
Ethernet LAN	✓

Processor special features

Intel VT-x with Extended Page Tables (EPT)	✓
Intel Stable Image Platform Program (SIPP)	✓
Execute Disable Bit	✓
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Virtualization Technology (VT-x)	✓

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh

Power

AC adapter power	280 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	14 A
AC adapter output voltage	20 V

Security

Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User

Weight & dimensions

Width	354 mm
Depth	259 mm
Height (front)	2.26 cm
Height (rear)	2.72 cm
Weight *	2.3 kg

Packaging data

Package width	90 mm
Package depth	465 mm
Package height	335 mm
Package weight	4.82 kg

Logistics data

Harmonized System (HS) code	84713000

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