ASUS

ASUS ROG Flow Z13 GZ301ZE-LC178W Intel® Core™ i9 i9-12900H Hybrid (2-in-1) 34 cm (13.4") Touchscreen WQUXGA 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Article code: 90NR07X1-M00CM0

Product name : GZ301ZE-LC178W

ASUS ROG Flow Z13 GZ301ZE-LC178W. Product type: Hybrid (2-in-1), Form factor: Convertible (Detachable). Processor family: Intel® Core™ i9, Processor model: i9-12900H, Processor frequency: 2,5 GHz. Display diagonal: 34 cm (13.4"), HD type: WQUXGA, Display resolution: 3840 x 2400 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. Operating system installed: Windows 11 Home. Product color: Black

Design

Color name	Black
Product type *	Hybrid (2-in-1)
Product color *	Black
Form factor *	Convertible (Detachable)
Market positioning	Gaming

Display

Display diagonal *	34 cm (13.4")
Display resolution *	3840 x 2400 pixels
Touchscreen *	✔
HD type	WQUXGA
Panel type	IPS
Native aspect ratio	16:10
Display surface	Gloss
RGB color space	DCI-P3
Color gamut	85%
Display response rise/fall	30 ms
Maximum refresh rate	60 Hz
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	12th gen Intel® Core™ i9
Processor model *	i9-12900H
Processor cores	14
Processor boost frequency	5 GHz

Camera

Rear camera resolution (numeric)	8 MP

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	✘
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
ROG XG Mobile port	✔

Keyboard

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

Software

Operating system architecture	64-bit

Processor

Processor frequency *	2,5 GHz
Processor cache	24 MB
Configurable TDP-down	35 W

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5-SDRAM
Memory form factor	On-board
Maximum internal memory *	16 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
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	2
Built-in microphone	✔
Number of microphones	3

Camera

Front camera	✔
Front camera HD type	HD
Rear camera	✔

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
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 *	56 Wh

Power

AC adapter power	100 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	5 A
AC adapter output voltage	20 V
USB Type-C charging port *	✔
USB Power Delivery	✔

Security

Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	BIOS, User

Weight & dimensions

Width	302 mm
Depth	204 mm
Height	12 mm
Weight *	1,18 kg

Packaging content

Bag included	✔
Stylus pen	✔

4711081689188

Catalog Object Cloud