GIGABYTE

Gigabyte Z490 VISION G (rev. 1.x) Intel Z490 LGA 1200 ATX
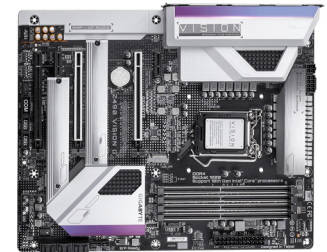
Brand : Gigabyte

Product name : Z490 VISION G (rev. 1.x)

Product code: GAZ49VSG-00-G

ATX (305 x 244 mm), Intel Z490, 4 x DDR4 DIMM, 128 GB max, DisplayPort, HDMI, Gigabit LAN, 1 x USB 3.2 Gen 2 Type-C, 3 x USB 3.2 Gen 2 Type-A, 4 x USB 3.2 Gen 1, 1 x PS/2
Gigabyte Z490 VISION G (rev. 1.x). Processor manufacturer: Intel, Processor socket: LGA 1200, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®. Supported memory types: DDR4-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Parallel processing technology support: 2-Way CrossFireX, 2-Way SLI, Quad-GPU CrossFireX, Quad-GPU SLI. USB connector type: USB Type-A, USB Type-C

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1200
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	2-Way CrossFireX, 2-Way SLI, Quad-GPU CrossFireX, Quad-GPU SLI

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1
Number of SATA III connectors *	6
S/PDIF out connector	✓
Front panel audio connector	✓
Front panel connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	3
Chassis intrusion connector	✓
EPS power connector (8-pin)	✓

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	✓
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet

Features

Motherboard chipset *	Intel Z490
Audio chip	Realtek ALC1220-VB
Audio output channels *	7.1 channels
PC health monitoring	Fan, Temperature, Voltage
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Power source type	ATX
Windows operating systems supported	Windows 10 x64

Expansion slots

PCI Express x1 slots	2
PCI Express x16 slots	2

Internal I/O			Expansion slots	
TPM connector	✔		PCI Express x16 (Gen 4.x) slots	1
Serial port headers	1		**BIOS**	
Thunderbolt headers	2		BIOS type *	UEFI AMI
RGB LED pin header	✔		BIOS memory size	256 Mbit
Rear panel I/O ports			ACPI version	5.0
USB 2.0 ports quantity *	2		Clear CMOS jumper	✔
			Desktop Management Interface (DMI) version	2.7
			System Management BIOS (SMBIOS) version	2.7
			Weight & dimensions	
			Width	305 mm
			Depth	244 mm
			Packaging content	
			Drivers included	✔

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