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MB s1700 GIGABYTE Z690 UD 1.0 DDR5

Šifra: 28757

Kategorija proizvoda: Matične ploče

Proizvođač: GIGABYTE

Cena: **29.078,00**



CPU

LGA1700 socket:
Support for 13th
Generation Intel®
Core™ Processors and
12th Generation Intel®
Core™, Pentium® Gold
and Celeron®
Processors*

L3 cache varies with CPU

* Please refer to "CPU Support List" for more
information.

Chipset

Intel® Z690 Express
Chipset

Memory

Support for DDR5
6000(O.C.) / 5800(O.C.) /
5600(O.C.) / 5400(O.C.) /
5200(O.C.) / 4800 / 4000

MHz memory modules

4 x DDR DIMM sockets
supporting up to 128 GB
(32 GB single DIMM
capacity) of system
memory

Dual channel memory
architecture

Support for ECC Un-
buffered DIMM

1Rx8/2Rx8 memory
modules (operate in non-
ECC mode)

Support for non-ECC Un-
buffered DIMM

1Rx8/2Rx8/1Rx16
memory modules

Support for Extreme
Memory Profile (XMP)
memory modules

(Go to GIGABYTE's website for the latest supported
memory speeds and memory modules.)

Onboard Graphics

Integrated Graphics Processor-Intel® HD Graphics
support:

1 x HDMI port,
supporting a maximum
resolution of

4096x2160@60 Hz

* Support for HDMI 2.1
version and HDCP 2.3.

** Support native HDMI
2.1 TMDS compatible
ports.

1 x DisplayPort,
supporting a maximum
resolution of

4096x2304@60 Hz

* Support for DisplayPort
1.2 version and HDCP 2.3

(Graphics specifications may vary depending on CPU
support.)

Audio

Realtek® Audio CODEC

High Definition Audio

2/4/5.1/7.1-channel

* To configure 7.1-
channel audio, you need
to open the audio
software and select

Device advanced
settings > Playback
Device to change the
default setting first.
Please visit GIGABYTE's
website for details on
configuring the audio
software.
Support for S/PDIF Out

LAN

Realtek® 2.5GbE LAN
chip (2.5 Gbps/1
Gbps/100 Mbps)

Expansion Slots

1 x PCI Express x16 slot,
running at x16 (PCIEX16)

* For optimum
performance, if only one
PCI Express graphics
card is to be installed,
be sure to install it in the
PCIEX16 slot.

(The PCIEX16 slot
conforms to PCI Express
5.0 standard.)

1 x PCI Express x16 slot,
running at x4 (PCIEX4)

1 x PCI Express x16 slot,
running at x1 (PCIEX1_4)

2 x PCI Express x1 slots
(The PCIEX4 and PCIEX1
slots conform to PCI
Express 3.0 standard.)

Multi-Graphics Technology

Support for AMD Quad-GPU CrossFire™ and 2-Way AMD CrossFire™ technologies

Storage Interface

CPU:

1 x M.2 connector
(Socket 3, M key, type 2260/2280/22110 PCIe 4.0 x4/x2 SSD support)
(M2A_CPU)

Chipset:

1 x M.2 connector
(Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support)
(M2P_SB)

1 x M.2 connector
(Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support)
(M2Q_SB)

6 x SATA 6Gb/s connectors

Support for RAID 0, RAID 1, RAID 5, and RAID 10

Intel® Optane™ Memory Ready

* System acceleration with Intel® Optane™ Memory can only be enabled on the M.2 connectors supported by the Chipset.

USB

Chipset:

1 x USB Type-C® port on the back panel, with USB 3.2 Gen 2x2 support

1 x USB Type-C® port with USB 3.2 Gen 1 support, available through the internal USB header

1 x USB 3.2 Gen 2 Type-A ports (red) on the back panel

6 x USB 3.2 Gen 1 ports (4 ports on the back panel, 2 ports available through the internal USB

header)

Chipset+2 USB 2.0 Hubs:

8 x USB 2.0/1.1 ports (4
ports on the back panel,
4 ports available
through the internal USB
headers)

Internal I/O Connectors

1 x 24-pin ATX main power connector
1 x 8-pin ATX 12V power connector
1 x 4-pin ATX 12V power connector
1 x CPU fan header
1 x water cooling CPU fan header
3 x system fan headers
1 x system fan/water cooling pump header
2 x addressable LED strip headers
2 x RGB LED strip headers
3 x M.2 Socket 3 connectors
6 x SATA 6Gb/s connectors
1 x front panel header
1 x front panel audio header
1 x S/PDIF Out header
1 x USB Type-C® header, with USB 3.2 Gen 1 support
1 x USB 3.2 Gen 1 header
2 x USB 2.0/1.1 headers
1 x serial port header
2 x Thunderbolt™ add-in card connectors
1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
1 x reset button
1 x reset jumper
1 x Q-Flash Plus button
1 x Clear CMOS jumper

*All fan headers are subject to support AIO_Pump, Pump and high performance fan with the capability of delivering up to 2A/12V @ 24W.

Back Panel Connectors

1 x PS/2 keyboard/mouse port
1 x DisplayPort
1 x HDMI port
1 x USB Type-C® port, with USB 3.2 Gen 2x2

support

1 x USB 3.2 Gen 2 Type-A port (red)

4 x USB 3.2 Gen 1 ports

4 x USB 2.0/1.1 ports

1 x RJ-45 port

3 x audio jacks

I/O Controller

ITE® I/O Controller Chip

H/W Monitoring

Voltage detection

Temperature detection

Fan speed detection

Water cooling flow rate detection

Fan fail warning

Fan speed control

* Whether the fan (pump) speed control function is supported will depend on the fan (pump) you install.

BIOS

1 x 256 Mbit flash

Use of licensed AMI UEFI BIOS

PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

Unique Features

Support for APP Center
* Available applications
in APP Center may vary
by motherboard model.
Supported functions of
each application may
also vary depending on
motherboard
specifications.
@BIOS
EasyTune
RGB Fusion
Smart Backup
System Information
Viewer
Support for Q-Flash Plus
Support for Q-Flash
Support for Xpress Install

Bundled Software

Norton® Internet
Security (OEM version)
Realtek® Gaming LAN
Bandwidth Control Utility

Operating System

Support for Windows 11
64-bit
Support for Windows 10
64-bit

Form Factor

ATX Form Factor;
30.5cm x 24.4cm