GIGABYTE

GIGABYTE TRX50 AI TOPMotherboard - Supports AMD Ryzen PRO 7000 CPUs, 16+8+4 Phases Digital VRM, up to 5200MHz DDR5 (OC), 4xPCIe 5.0 + 4xPCIe 4.0 M.2, Wi-Fi 7, 10GbE LAN, USB 3.2 Gen 2x2

Brand : GIGABYTE
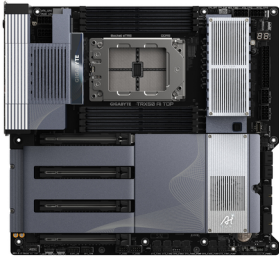
Product code: TRX50 AI TOP

Product name : TRX50 AI TOPMotherboard - Supports AMD Ryzen PRO 7000 CPUs, 16+8+4 Phases Digital VRM, up to 5200MHz DDR5 (OC), 4xPCIe 5.0 + 4xPCIe 4.0 M.2, Wi-Fi 7, 10GbE LAN, USB 3.2 Gen 2x2

TRX50 AI TOPMotherboard - Supports AMD Ryzen PRO 7000 CPUs, 16+8+4 Phases Digital VRM, up to 5200MHz DDR5 (OC), 4xPCIe 5.0 + 4xPCIe 4.0 M.2, Wi-Fi 7, 10GbE LAN, USB 3.2 Gen 2x2

GIGABYTE TRX50 AI TOPMotherboard - Supports AMD Ryzen PRO 7000 CPUs, 16+8+4 Phases Digital VRM, up to 5200MHz DDR5 (OC), 4xPCIe 5.0 + 4xPCIe 4.0 M.2, Wi-Fi 7, 10GbE LAN, USB 3.2 Gen 2x2:

Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen 3000 Series
Supported processor sockets	sTRX5
Maximum internal memory supported by processor	2 TB

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	8
Memory slots type	DIMM
Memory channels	Quad-channel
ECC compatibility	ECC
Maximum internal memory *	2 TB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	8
RAID support	✔
RAID levels	0, 1, 10

Graphics

Maximum resolution	4096 x 2160 pixels
HDCP	✔
DirectX version	12.0

Internal I/O

USB 2.0 connectors *	2

Network

Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be)
Bluetooth	✔
Bluetooth version	5.3

Features

Motherboard chipset *	AMD TRX50
Audio chip	Realtek ALC4080
Audio output channels *	2.0 channels
PC health monitoring	Fan, Temperature, Voltage
Component for *	PC
Motherboard form factor *	Extended ATX
Motherboard chipset family *	AMD
Linux operating systems supported	Ubuntu 24.04 LTS
Windows operating systems supported	Windows 11

Expansion slots

PCI Express x16 slots	3
Number of M.2 (M) slots	4

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✔
Desktop Management Interface (DMI) version	2.7

Internal I/O

USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Total number of SATA connectors	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔
EPS power connector (8-pin)	✔
TPM connector	✔
Serial port headers	1
RGB LED pin header	✔

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Ethernet LAN (RJ-45) ports *	1

Network

Ethernet LAN	✔
Ethernet interface type	10 Gigabit Ethernet

BIOS

System Management BIOS (SMBIOS) version	2.7

Logistics data

Country of origin	Taiwan
Products per shipping (inner) case	1 pc(s)

Battery

Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data

Package width	379 mm
Package depth	397 mm
Package height	105 mm
Package weight	6.47 kg

Weight & dimensions

Width	305 mm
Depth	330 mm
Height	35 mm

Packaging content

Batteries included	✔
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

Technical details

Warranty period	3 year(s)

4719331863845