ASUS TUF GAMING Z790-BTF WIFI Intel Z790 LGA 1700 ATX

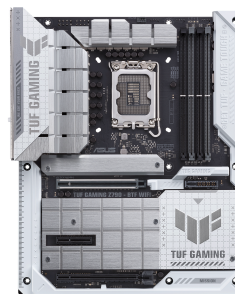**Brand :** ASUS

Product name : TUF GAMING Z790-BTF WIFI

Product code: 90MB1GU0-M0EAY0

Intel Socket LGA1700, Z790 Chipset, 4 x DIMM slots, Max. 192GB, DDR5 7200
ASUS TUF GAMING Z790-BTF WIFI. Processor manufacturer: Intel, Processor socket: LGA 1700,
Compatible processor series: Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™
i5, Intel® Core™.... Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 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. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi
standard: Wi-Fi 7 (802.11be), Wi-Fi standards: Wi-Fi 7 (802.11be). Component for: PC, Motherboard form
factor: ATX, Motherboard chipset family: Intel

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9
Supported processor sockets	LGA 1700

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	7200,7000,6800,6600,6400,6200,6000,5800,5600,5400,5200,5000,4800 MHz
Supported memory clock speed (max)	7200 MHz
Maximum internal memory *	192 GB
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, 5, 10

Graphics

Parallel processing technology support *	Not supported

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 *	4
Front panel audio connector	✓

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
DisplayPorts quantity	1
Microphone in	✓
S/PDIF out port	✓
WiFi-AP antenna jack	1

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Bluetooth	✓
Bluetooth version	5.4

Features

Motherboard chipset *	Intel Z790
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Windows operating systems supported	Windows 10 x64, Windows 11

Expansion slots

PCI Express x4 (Gen 4.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1

Internal I/O

ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	4
EPS power connector (8-pin)	✓
Number of COM connectors	1
Thunderbolt headers	1
12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4

Expansion slots

Number of M.2 (M) slots	4

BIOS

BIOS type *	UEFI AMI
BIOS memory size	192 Mbit

Packaging data

Package width	370 mm
Package depth	312 mm
Package height	108 mm
Package weight	3.95 kg

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA
Screws included	✓

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