



The EVGA Z370 FTW has everything you need to upgrade and enjoy Intel®'s latest 8th Gen Core i7/i5 processors. With the Z370 platform, high-performance gaming and powerful work machines are now more affordable than ever. Featuring 6 SATA ports, 10 USB 3.0 ports, USB 3.1 Type A and Type-C ports, multiple M.2 sockets, Intel® Optane™, 7.1 Channel Audio, and an Intel® Gigabit NIC, this board is ready for storage, sound, and data whenever you want it. However, this board wouldn't be FTW without a highly-efficient Digital VRM connected to an 11 Phase power design, 2-way SLI + PhysX support, Dual-BIOS support, and EVGA's GUI BIOS. Whatever your passion, the EVGA Z370 FTW has the tools to get you there and the power to get the job done.

DESIGN DETAILS

Supported CPUs - Intel® 8th Generation Socket LGA1151 Core i7/i5 Coffee Lake-S Processors

Socket Type - Intel® Socket LGA1151

PCH - Intel® Z370

DIMM QTY - 4 DIMM Dual-Channel

Memory Type - DDR4 4133MHz+

Memory Capacity - 64GB

SATA 6.0Gb/s Ports/Controller - 6 / Intel® Z370 PCH

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

USB 2.0 Ports/Controller -

2 Ports (2 from internal header) / Intel® Z370 PCH

USB 3.0 Ports/Controller -

10 (4 from internal header) / Intel® Z370 PCH

USB 3.1 Ports/Controller - 1x 3.1 Type-A / Type-C

(Rear I/O)

Network Speed - 10/100/1000

Network Ports/Controller - 1x Intel i219 Gigabit NIC

Audio - Realtek 7.1 Channel Audio + Optical

Audio Controller - Realtek ALC1220

Display Outputs - HDMI 1.4, DP 1.2

PCIe Slot Arrangement - 3 x16 (bottom x4), 3 x1

PCIe x16 Mechanical Slots - 3

M.2 Key-M - 2x 80mm (Up to 32Gbps)

M.2 Key-E - 1x 32mm

BIOS Type - Full UEFI with mouse/keyboard control

Software - EVGA E-LEET X Tuning Utility

Fan Headers - 6x 4-Pin PWM

KEY SPECS

- Supports Intel® Core™ 8th Generation Processor Family for LGA1151 socket
- 150% Increased Gold Content
- Intel® Z370 Chipset
- Enthusiast Layout Supporting 2-Way SLI® + PhysX
- 4 DIMM Dual-Channel up to 64GB 4133MHz+
- PCI Express® 3.0 Ready
- 2 USB 2.0 Ports (2 from internal headers)
- 10 USB 3.0 Ports (6 rear panel, 4 from 2 internal headers)
- 2 USB 3.1 Ports (1x Type-A, 1x Type-C)
- Intel® Optane Support
- 6 SATA
- 2 M.2 Key-M 80mm up to 32Gbps
- 1 M.2 Key-E 32mm
- 1x Intel i219 Gigabit NIC (10/100/1000)
- ATX Form Factor

DIMENSIONS

- Width: 9.6in - 244mm
- Length: 12in - 305mm
- Form Factor: ATX Form Factor

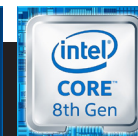
ACCESSORIES

- EVGA Driver Installation Disc with EVGA E-LEET X
- Rear Case I/O Panel
- 2 SATA 6G Data Cables
- M.2 Thermal Pad
- 2Way SLI Bridge
- Case Badge
- Manual



PRODUCT WARRANTY

This product is covered under EVGA's 3 year warranty which covers parts and labor. Further warranty extension is available upon registration within 30 days of purchase. For more details please visit: www.evga.com/warranty.



FULL UEFI GUI BIOS INTERFACE
Focused on functionality

E-LEET TUNING UTILITY
Adjust your overclocking in OS

| Processor | |
|-------------------------------------|--|
| Name | Intel Core i7 3960X |
| Code Name | Sandy Bridge-E |
| Package | Socket 2011 LGA |
| Technology | 32 nm |
| Core Voltage | 1.211 V |
| Specification | |
| Genuine Intel(R) CPU @ 3.30GHz (E5) | |
| Family | 6 |
| Model | D |
| Stepping | 5 |
| Ext. Family | 8 |
| Ext. Model | 2D |
| Revision | CB |
| Instructions | MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T |
| Clocks (Core #0) | |
| Core Speed | 3900.0 MHz |
| Multiplier | x 39.0 (12 - 33) |
| Bus Speed | 100.0 MHz |
| Rated FSB | |
| Cache | |
| L1 Data | 6 x 32 KBytes 8-way |
| L1 Inst | 6 x 32 KBytes 8-way |
| Level 2 | 6 x 256 KBytes 8-way |
| Level 3 | 15 MBytes 20-way |
| Cores | 6 |
| Threads | 12 |

M.2 SLOT
Next Generation Form Factor

11 PHASE PWM
Cleanest variable power switching

REINFORCED PCI-e SLOTS
Reinforced for the heaviest of graphics cards

HIGHER GOLD CONTENT
Lower inductance, better power delivery!

ONBOARD CPU TEMP MONITOR
Monitor CPU temps quickly and easily

PASSIVE CHIPSET HEATSINK
No fans, lower noise, longer lifespan

6 LAYER PCB
Improved overclock stability and PCB cooling

ONBOARD POWER / RESET
CMOS Reset Buttons at your fingertips.

2-Way SLI + PhysX
Able to handle the most demanding videos.



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