



Z390 FTW

Part No: **123-CS-E397-KR**

INTRODUCTION



With The EVGA Z390 FTW, high-end gaming is now better than ever without costing an arm and a leg. Featuring 6 SATA ports, USB 3.1 Gen2 Type-A and Type C ports, USB 3.1 Gen1 ports, USB 2.0 ports, multiple M.2 sockets, Intel Optane™, 7.1 Channel Audio with EVGA NU Audio, and an Intel Gigabit NIC, this board is ready for everything. However, this board wouldn't be FTW without a highly-efficient Digital VRM connected to an 11 Phase power design, 2-way SLI® support, metal-reinforced slots, and EVGA's New GUI BIOS featuring OC Robot and an in-BIOS stress test. The EVGA Z390 FTW is primed to be the center of everything you do next.

DESIGN DETAILS

Supported CPUs: Supported CPUs - Intel® 8th/9th Generation Socket, LGA1151 Core i7/i5/i3 Coffee Lake-S Processors

Socket Type: Intel® Socket LGA1151

PCH: Intel® Z390

DIMM QTY: 4 DIMM Dual-Channel

Memory Type: DDR4 4133MHz+

Memory Capacity: 64GB

SATA 6.0Gb/s Ports/Controller - 6 / Intel® Z390 PCH

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

USB 2.0 Ports/Controller:

6 Ports (4 from internal header) / Intel® Z390 PCH

USB 3.1 Gen1 Ports/Controller:

4 (2 from internal header) / Intel® Z390 PCH

USB 3.1 Gen2 Ports/Controller: 4x USB3.1 Gen2

Type-A / 1x USB3.1 Gen2 Type-C (Header)

Network Speed: 10/100/1000

Network Ports/Controller: 1x Intel i219V Gigabit NIC

Audio: Realtek 7.1 Channel Audio/Optical + EVGA Nu Audio

Audio Controller: Realtek ALC1220 + SV3H615

PCIe Slot Arrangement: 2x16, 1x4, 2x1

PCIe x16 Mechanical Slots: 2

M.2 Key-M: 2x 110mm (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 (2x CPU PWM, 4x PWM/DC)

KEY SPECS

- Supports Intel® Core™ 8th/9th Generation Processor Family for LGA1151 socket
- 150% Increased Gold Content
- Intel® Z390 Chipset
- Enthusiast Layout Supporting 2-Way SLI®
- 4 DIMM Dual-Channel up to 64GB 4133MHz+
- PCI Express® 3.0 Ready
- 4 USB 2.0 Ports (2 from internal headers)
- 4 USB 3.1 Gen1 Ports (2 rear panel, 2 from 1 internal headers)
- 5 USB 3.1 Gen2 Ports (4x Type-A, 1x Type-C Header)
- Intel® Optane Support
- 6 SATA
- 2 M.2 Key-M 110mm up to 32Gbps
- 1 M.2 Key-E 32mm
- 1x Intel i219V Gigabit NIC (10/100/1000)
- ATX Form Factor

DIMENSIONS

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

ACCESSORIES

- EVGA Quick Installation Guide
- Rear Case I/O Panel
- 2 SATA 6G Data Cables
- M.2 Thermal Pad
- 2-Way SLI Bridge
- Case Badge
- USB Flash Drive + Contains Driver and Manual



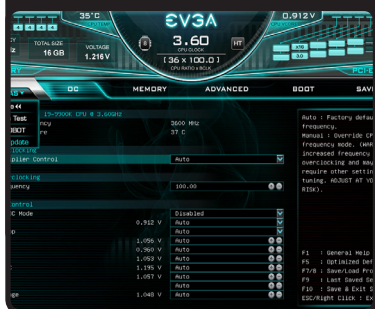
PRODUCT WARRANTY

This product is covered under EVGA's 3 year limited 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.



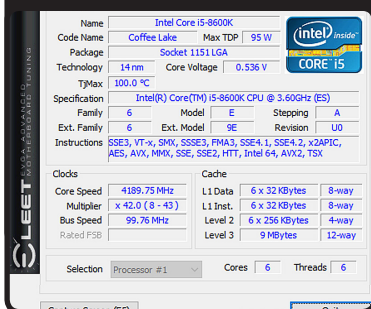
FULL UEFI GUI BIOS INTERFACE

Focused on functionality



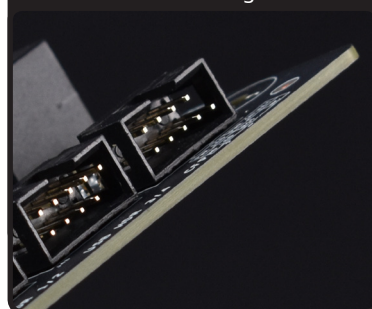
E-LEET TUNING UTILITY

Adjust your overclocking in OS



6 LAYER PCB

Improved overclock stability and PCB cooling



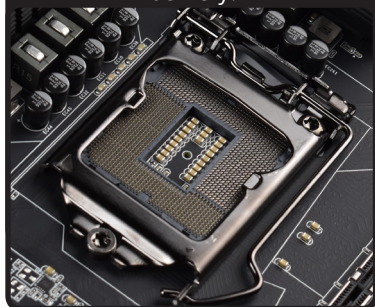
11 PHASE PWM

Cleanest variable power switching



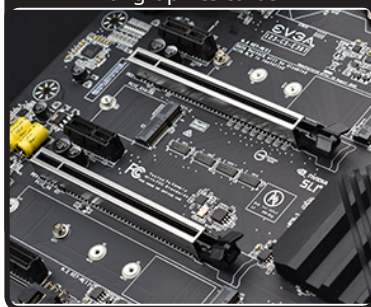
HIGHER GOLD CONTENT

Lower inductance, better power delivery!



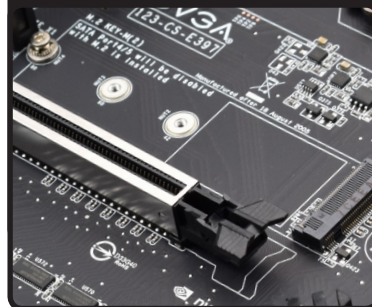
REINFORCED PCIe SLOTS

Reinforced for the heaviest of graphics cards



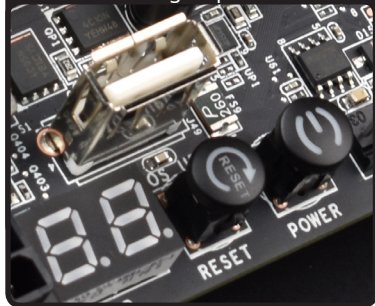
M.2 SLOT

Next Generation Form Factor



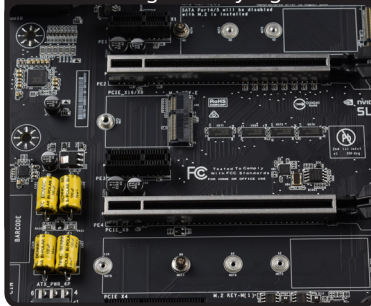
ONBOARD POWER / RESET

Power and Reset Buttons at your fingertips.



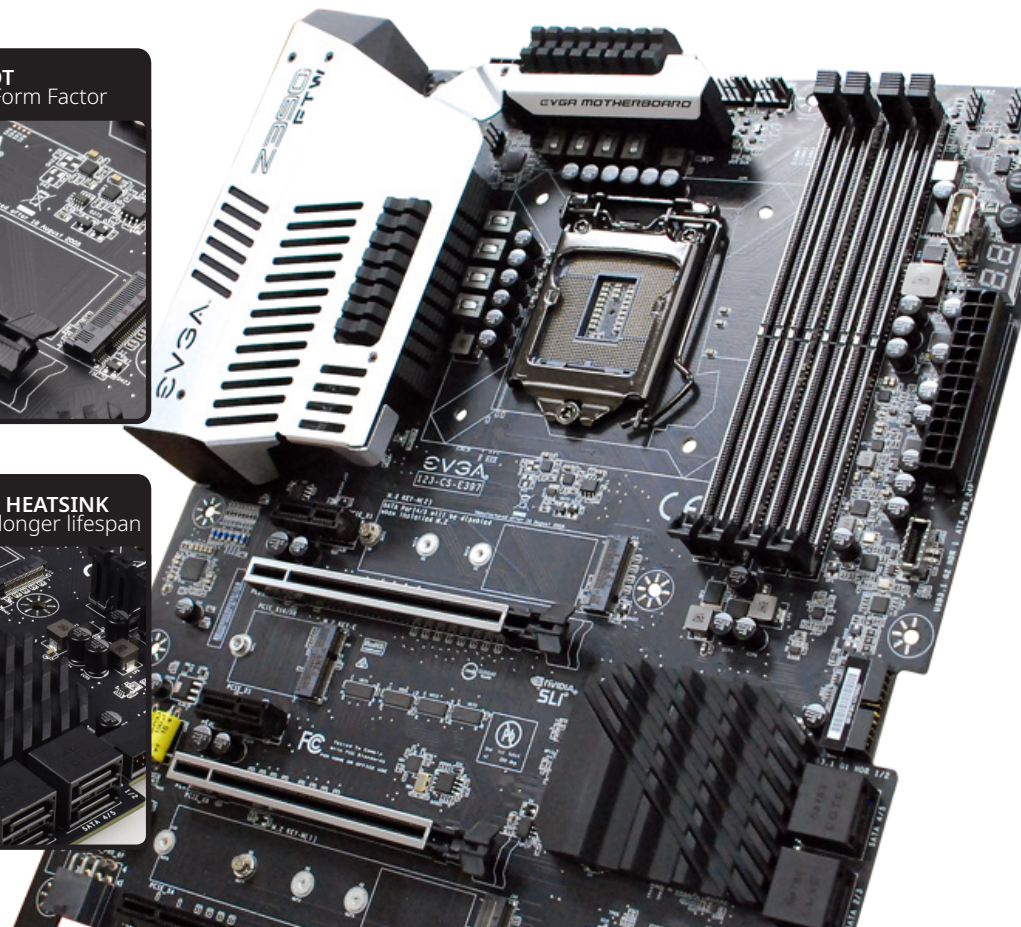
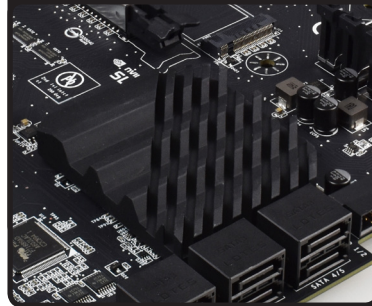
2-Way SLI Ready

Able to handle the most demanding of today's games.



PASSIVE CHIPSET HEATSINK

No fans, lower noise, longer lifespan



PRODUCT WARRANTY

This product is covered under EVGA's 3 year limited 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.

