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.

**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 header) / Intel® Z390 PCH
- 4 USB 3.1 Gen1 Ports (2 rear panel, 2 from internal header) / Intel® Z390 PCH
- 5 USB 3.1 Gen2 Ports (4x Type-A, 1x Type-C Header) / Intel® Z390 PCH
- 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

**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)
- 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)

**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.
**FEATURES**

- **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](http://www.evga.com/warranty).