



Z270 FTW-K

Part No: **132-KS-E277-KR**

INTRODUCTION



The EVGA Z270 FTW K improves upon the Z170 FTW to refine, redesign and redefine winning for gamers and overclockers everywhere. The EVGA Z270 FTW K supports up to 2-way SLI® + PhysX® to put your opponents in a world of hurt. A total of 4 DIMM slots support up to 64GB at 3600MHz+ to make sure nothing limits your performance. The Built-in Killer™ NIC prioritizes and reduces latency to keep you at the top of your game from the first match to the last.

If that wasn't enough, a newly-designed VRM provides the cleanest and most stable power to the CPU possible, fed through a CPU socket that has 1.5X the amount of gold content for improved signal quality to keep your system stable even during the longest of gaming sessions. The EVGA Z270 FTW K motherboard also has you covered for storage and features with 6 native 6.0Gb/s SATA ports, 2 SATA Express ports, 3 M.2 expansion slots, one U.2 port, and is Intel® Optane™ Memory Ready, along with native USB 3.1/3.0 support and 8 Channel HD Audio with Optical. If the EVGA Z270 FTW K doesn't give you the edge you're looking for, maybe it's not the board...

DESIGN DETAILS

Supported CPUs -

Intel® 7th Generation Socket 1151 Processors

Socket Type - LGA 1151

PCH - Intel® Z270

DIMM QTY - 4 Single Latch DIMM Slots

Memory Type - Dual Channel DDR4 Up to 3600MHz+

Memory Capacity - 64GB (4x16)

SATA 6.0Gb/s Ports/Controller - 6 / Intel® Z270 PCH

SATA Express - 2 / Intel® Z270 PCH (Shared with SATA)

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

USB 2.0 Ports/Controller -

2 (from internal header) / Intel® Z270 PCH

USB 3.0 Ports/Controller -

10 (4 from 2 internal headers) / Intel® Z270 PCH

USB 3.1 Ports/Controller -

2 (1 Type-A, 1 Type-C) / Intel® Z270 PCH

Network Speed - 10/100/1000

Network Ports/Controller -

2 / Killer™ E2400 NIC / Intel® i219 PHY

Audio - 8 Channel HD Audio

Audio Controller - Realtek ALC1150 + Optical

PCI-E Slot Arrangement - 1x16 and 1x1, 2x8 and 1x1

PCI-E x16 Mechanical Slots - 3

PCI-E x4 Mechanical Slots - 1

PCI-E x1 Slots - 1

M.2 / 2x Key-M 110mm (Up to 32Gbps)

M.2 / 1x Key-E

BIOS Type - Full UEFI with mouse/keyboard control

Software - EVGA E-LEET X Tuning Utility

Fan Headers - 7 4-Pin (3 PWM, 4 DC/PWM)

KEY SPECS

- Supports Intel® Core™ 7th Generation Processor Family for LGA 1151 socket
- 150% Increased Gold Content
- Intel® Z270 Chipset
- Enthusiast Layout Supporting 2-Way SLI® + PhysX®
- 4 DIMM Dual-Channel DDR4 3600MHz+ (Up To 64GB)
- PCI Express® 3.0 Ready
- 2 USB 2.0 Ports (from single internal header)
- 10 USB 3.0 Ports (6 rear panel, 4 from 2 internal headers)
- 2 USB 3.1 Ports (1 Type-A, 1 Type-C)
- Intel® Optane Support
- 1 HDMI 1.4 Port
- 1 DisplayPort 1.2 Port
- 6 SATA (2 SATA Express)
- 2 M.2 Key-M 110mm up to 32Gbps
- 1 M.2 Key-E 32mm
- 1 U.2 Port
- 1x Intel® i219 Gigabit Ethernet Port (10/100/1000)
- 1x Killer™ E2400 NIC
- ATX Form Factor

DIMENSIONS

- Width: 9.6in – 243.8mm
- Length: 12in – 304mm
- Form Factor: ATX

ACCESSORIES

- EVGA Driver Installation Disc with EVGA E-LEET
- Rear Case I/O Panel
- Rear Case I/O Cover
- 2 SATA 6G Data Cables
- 2-way SLI Bridge
- Enthusiast Stickers
- 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.





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FEATURES

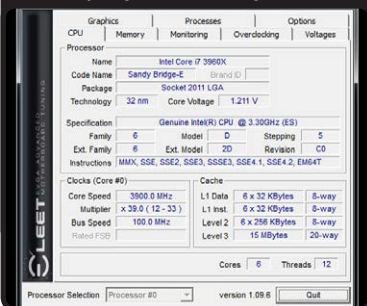
FULL UEFI GUI BIOS INTERFACE

Focused on functionality



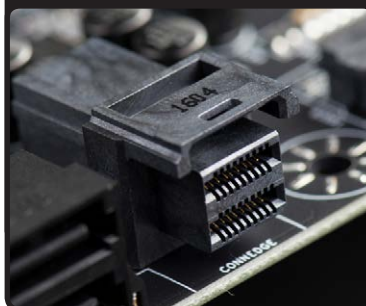
E-LEET TUNING UTILITY

Adjust your overclocking in OS



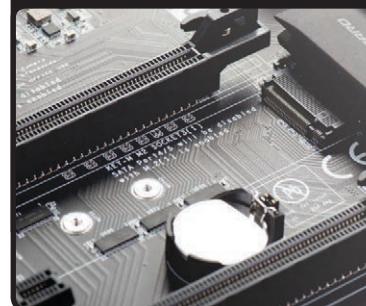
INCLUDES U.2 SUPPORT

Next Gen Interface



M.2 SLOT

Next Generation Form Factor



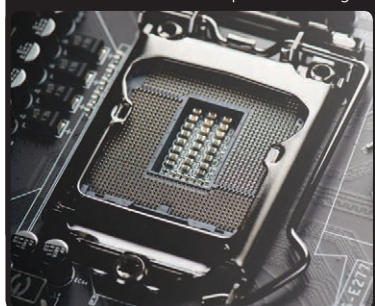
11 PHASE PWM

Cleanest variable power switching



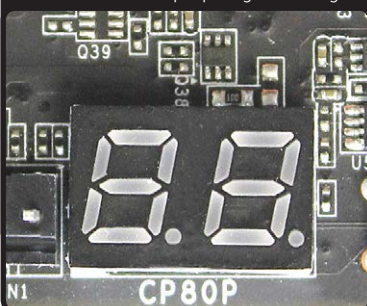
HIGHER GOLD CONTENT

Lower inductance, better power delivery!



ONBOARD CPU TEMP MONITOR

Monitor CPU temps quickly and easily



PASSIVE CHIPSET HEATSINK

No fans, lower noise, longer lifespan



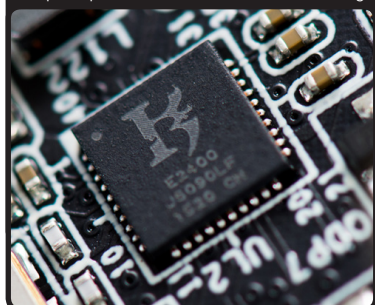
6 LAYER PCB

Improved overclock stability and PCB cooling



KILLER E2400 NIC

Helps to prioritize & reduce network latency



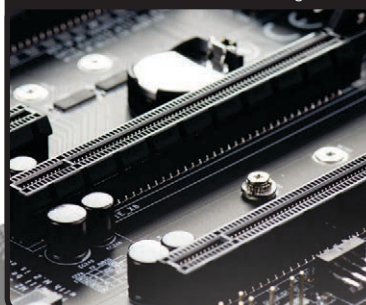
ONBOARD POWER / RESET

CMOS Reset Buttons at your fingertips.



2-Way SLI + PhysX

Able to handle the most demanding videos.



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