The EVGA Z490 FTW WiFi is ready for the latest 10th Gen Intel® Core™ i9 processors. The 10th Gen Intel® Core™ desktop processor platform provides an optimal balance of frequency, cores and threads, advanced tuning support, and blazing connectivity to supercharge desktops for a competitive edge. Featuring a variety of high-speed data and storage options, display output options, 7.1 Channel Audio, and Intel® wired/wireless network options, the Z490 FTW WiFi has everything you need. This board earns its FTW with a highly-efficient Digital VRM connected to a 14 Phase power design, 2-way SLI® support, metal-reinforced PCIe slots, and EVGA’s latest GUI BIOS featuring OC Robot and an in-BIOS stress test. The EVGA Z490 FTW WiFi is the core of everything you do next. Lastly, a motherboard is only as good as its BIOS, and the EVGA Z490 FTW WiFi features EVGA’s newest UEFI/BIOS GUI focusing on overclocking and functionality with brand-new features such as OC Robot and EVGA-only In-BIOS Stress Testing.

**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
- 2x M.2 Thermal Pad
- 2x Antenna for WiFi
- Case Badge
- USB Flash Drive
- Contains Driver and Manual

**KEY SPECS**
- Supports Intel® Core™ 10th Generation Processor Family for LGA1200 socket
- 150% Increased Gold Content
- Intel® Z490 Chipset
- NVIDIA® SLI® Ready Enthusiast Layout
- 4 DIMM Dual-Channel up to 128GB 4400MHz+
- PCI Express® 3.0 Ready
- 5 USB 2.0 Ports (4 from internal headers / 1 from Update Port)
- 4 USB 3.2 Gen1 Ports (2 rear panel, 2 from 1 internal header)
- 5 USB 3.2 Gen2 Ports (4 Type-A rear panel, 1 Type-C Header)
- 1 PS/2 (Mouse+Keyboard support)
- Intel® Optane Support
- 6 SATA 6.0Gb/s (4 on Intel® Z490 PCH / 2 from ASMedia ASM1061)
- 2 M.2 Key-M 110mm up to 32Gbps
- 1 M.2 Key-E 32mm
- 1 DisplayPort 1.2 / 1 HDMI 1.4
- 1 Intel® 2.5Gigabit NIC (10/100/1000)
- 1 Intel® WiFi 6/ BT 5.1 module, preinstalled

**DESIGN DETAILS**
- Supported CPUs - Intel® Socket 1200, 10th Generation Intel® Core i9/i7/i5
- Socket Type - Intel® Socket LGA1200
- PCH - Intel® Z490
- DIMM QTY - 4 DIMM Dual-Channel
- Memory Type - DDR4 4400MHz+
- Memory Capacity - 128GB
- SATA 6.0Gb/s Ports/Controller - 4/Intel® Z490 PCH
- RAID Support - RAID 0, 1, 5, and 10
- SATAs 6.0Gb/s Ports/Controller - 2 / ASMedia ASM1061
- USB 2.0 Ports/Controller - 5 Ports (4 from internal headers / 1 from Update Port for flashing BIOS) / Intel® Z490 USB Hub
- USB 3.2 Gen1 Ports/Controller - 4 (2 from internal header) / Intel® Z490 PCH
- USB 3.2 Gen2 Ports/Controller - 4x USB3.2 Gen2 Type-A/1x USB3.2 Gen2x2 Type-C/1x USB3.2 Gen2 Type-C (internal header)
- Network Speed - 10/100/1000
- Network Ports/Controller - Intel® i219V PHY
- WIFI/BT - Intel® AX201 WiFi 6/BT 5.1 module, preinstalled in the M.2 Key-E 32mm Slot
- Audio - 7.1 Channel Realtek + EVGA NU Audio
- Audio Controller - Realtek ALC1220 + SV3H615
- Display Output - DP 1.2 / HDMI 1.4
- PCIe Slot Arrangement - 2x16, 1x1
- PCIe x16 Mechanical Slots - 2
- PCIe x16 Mechanical Arrangement - 1x16/8, 1x8
- PCIe x1 Mechanical Slots - 1
- M.2 Key-M - 2x 110mm (Up to 32Gbps)
- M.2 Key-E - 1x 32mm (Vertical)
- Fan Headers - 7x 4-Pin (2x CPU PWM, 5x PWM/DC)
- BIOS Type - Latest UEFI BIOS with mouse/keyboard control, OC Robot, In-BIOS Stress Test
- Software - EVGA ELEET X1 Tuning Utility

**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
**Z490 FTW WiFi**

**FULL UEFI GUI BIOS INTERFACE**
Focused on functionality

**ELEET X1 TUNING UTILITY**
Adjust your overclocking in OS

**6 LAYER PCB**
Improved overclock stability and PCB cooling

**14 PHASE PWM**
Cleanest variable power switching

**HIGHER GOLD CONTENT (150%)**
Lower contact resistance, better power delivery

**USB3.2 Gen2 + USB3.2 Gen2x2**
Integrated WiFi 6/BT 5.1 Mini-DisplayPort + HDMI

**Intel® Optane™ Memory Ready**

**Nvidia® SLI® Ready**
with Reinforced PCIe Slots

**ONBOARD POWER / RESET**
Dual Voltage/CPU Temperature Monitors

**NVIDIA® SLI® Ready with Reinforced PCIe Slots**

**Onboard ARGB Lighting**

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