The EVGA Z490 DARK sets the standard for motherboards based on the Intel® Z490 chipset. Designed for ultra-enthusiasts looking to pull every last ounce of performance from the new 10th Gen Intel® 10-Core CPUs, the Z490 DARK features an 18-Phase VRM design, along with two right-angle 8pin High Current connectors to provide maximum power for overclocking. Two SMT DIMMs enable high-frequency and low latency RAM overclocking. The 10-layer PCB is studded with multiple sensors to track a variety of temperatures and voltages across the board, which can be displayed on the dual-LED displays. The Z490 DARK also contains one Intel® 2.5 GbE NIC, one Intel® Gigabit NIC, a mini-Display Port, PCIe disable switches, triple BIOS support, 8 smart fan headers, and many more premium features. Lastly, a motherboard is only as good as its BIOS, and the EVGA Z490 DARK features EVGA’s newest UEFI/BIOS GUI with a focus on overclocking and functionality in a lean, straightforward package.

**KEY SPECS**
- Supports Intel® Core™ 10th Generation Processor Family for LGA1200 socket
- 150% Increased Gold Content
- Intel® Z490 Chipset
- NVIDIA® SLI® Ready Enthusiast Layout
- 2 DIMM Dual-Channel up to 64GB 4600MHz+
- PCI Express® 3.0 Ready
- 7 USB 2.0 Ports (6 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
- SATA 6.0Gb/s Ports/Controller - 6/Intel® Z490 PCH
- RAID Support - RAID 0, 1, 5, and 10
- USB 3.2 Gen2 Ports/Controller - 2 / ASMedia ASM1061
- USB 3.2 Gen2 Type-A/1x USB3.2 Gen2 Type-C (external) / 1x USB3.2 Gen2 Type-C (internal header)
- Network Speed - 10/100/1000/2500 + 10/100/1000 Network Ports/Controller - Intel 1225V PHY
- Wireless Option - Intel® AX201 WiFi 6 /BT 5.1 module, preinstalled in the M.2 Key-E 32mm Slot

**DIMENSIONS**
- Width: 10.9in – 277mm
- Length: 12in – 305mm
- Form Factor: E-ATX Form Factor

**ACCESSORIES**
- EVGA Quick Installation Guide
- Rear Case I/O Panel
- 2x 2 SATA 6G Data Cables
- 2x M.2 Thermal Pad
- 2x M.2 Antenna for WiFi
- 2x ProbeIt Connectors
- Flexible SLI® Bridge
- Case Badge
- USB Flash Drive
- Contains Driver and Manual

**DESIGN DETAILS**
- Supported CPUs - Intel® Socket 1200, 10th Generation Intel® Core i9/i7/i5 Processors
- Socket Type - Intel® Socket LGA1200
- PCH - Intel® Z490
- DIMM QTY - 2 DIMM Dual-Channel
- Memory Type - DDR4 4600MHz+
- Memory Capacity - 64GB
- SATA 6.0Gb/s Ports/Controller - 6/Intel® Z490 PCH
- RAID Support - RAID 0, 1, 5, and 10
- SATA 6.0Gb/s Ports/Controller - 2 / ASMedia ASM1061
- USB 2.0 Ports/Controller - 7 Ports (6 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 - 5x USB3.2 Gen2 Type-A/1x USB3.2 Gen2 Type-C (external) / 1x USB3.2 Gen2 Type-C (internal header)
- BIOS Type - Latest UEFI BIOS with mouse/keyboard control, OC Robot, In-BIOS Stress Test Software - EVGA ELEET X1 Tuning Utility

**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
**INTRODUCTION**

**Z490 DARK**
Part No: 131-CL-E499-KR

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

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

**18 PHASE PWM**
Cleanest variable power switching

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

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

**USB3.2 Gen2 + Intel® 2.5GbE NIC**
Integrated WiFi 6/802.11ax Mini-DisplayPort

**Intel® Optane™ Memory Ready**

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

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

**Right-Angled Power Connectors to Simplify Cable Management**

**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