



The X299 MICRO ATX 2 is a reimagined mATX board designed to support the power, performance, and cooling necessary to power Intel®'s most powerful i9 CPUs for the X299 Chipset. With a 14 Phase power design, a thick VRM heatsink/fan, two 8pin EPS power connectors, an additional 6pin PCIe power connector, and external BCLK, this motherboard was born for the enthusiast desiring maximum power in a small form factor. The X299 MICRO ATX 2 supports current storage standards, including M.2 NVMe, Intel® Optane™, Intel® VROC and SATA 6Gb/s to give you blazing fast access to your data, while Intel® Dual-Band WiFi/BT and an Intel® i219V NIC keeps you connected. If you need a small motherboard capable of pure performance, the X299 MICRO ATX 2 strikes the perfect balance for features and power.

DESIGN DETAILS

Microprocessor support: Intel® Socket 2066 Processor (Skylake-X only)

Operating Systems: Supports Windows 10 64bit

System Memory support: Supports Quad-Channel DDR4 up to 4000MHz+ (OC) Supports up to 64GB of DDR4 memory.

USB 2.0 Ports: 4x from Intel® X299 PCH – 4x internal via 2 FP headers. Supports transfer speeds up to 480 Mbps with full backwards compatibility.

USB 3.1 Gen 1 Ports: 8x from Intel® X299 PCH – 6x external, 2x internal via 1 FP headers. Supports transfer speeds up to 5Gbps with full backwards compatibility.

USB 3.1 Gen 2 Ports: 2x from ASMedia ASM3142 – 2x external Type-A. Supports transfer speeds up to 10Gbps with full backwards compatibility

SATA Ports: Intel® X299 PCH Controller 6x SATA 3/6 Gbit/s (600 MB/s) data transfer rate
- Support for RAID0, RAID1, RAID5, AND RAID10
- Supports hot plug

Onboard Audio: Realtek Audio (ALC1220) Supports 7.1 Channel HD Audio with Optical Out

Onboard LAN: 1x Intel® i219V Gigabit (10/100/1000) Ethernet PHY

WiFi/BT: Dual-Band Intel® AC-8265 WiFi + BT

Power Functions: Supports ACPI (Advanced Configuration and Power Interface) Supports S0 (normal), S3 (suspend to RAM), S4 (Suspend to disk - depends on OS), and S5 (soft - off)

PCIe Expansion Slots: 2x PCIe x16 slot 2x16*, 1x PCIe x4 slot.

PCIe 3.0 Support: Low power consumption and power management features

SLI and Crossfire Support: 2-Way SLI, 3-Way Crossfire

Additional Expansion Slots:
1x M.2 Key-M 80mm slot PCIe/NVMe
1x M.2 Key-E slot (contains WiFi/BT module)

Fan Headers: 6x 4-pin PWM controlled headers

***LANES PER SLOT DEPEND UPON YOUR CPU, PLEASE SEE PAGE 22 IN YOUR MANUAL FOR LANE BREAKDOWN BASED ON CPU.**

KEY SPECS

- Supports Intel® Core™ X-series Processor Family for 2066 Socket
- 150% Increased Gold Content
- Intel® X299 Chipset
- Enthusiast Layout Supporting 2-Way SLI®
- 4 DIMM Quad-Channel up to 64GB 4000MHz+
- PCI Express® 3.0 Ready
- 4 USB 2.0 Ports (4 from 2 internal headers)
- 8 USB 3.1 G1 Ports (6 rear panel, 2 from 1 internal header)
- 2 USB 3.1 G 2 Ports (2 rear panel Type-A)
- Intel® Optane™ Support via optional PCIe adapter (not included)
- 6 SATA
- 1 M.2 Key-M 80mm up to 32Gbps (PCIe/NVMe)
- 1 M.2 Key-E 32mm (contains WiFi/BT module)
- 802.11AC Dual Band + Intel i219V Gigabit NIC (10/100/1000)
- mATX Form Factor

DIMENSIONS

- **Width:** 9.6 in – 243.8 mm
- **Length:** 9.6 in – 243.8 mm
- **Form Factor:** mATX Form Factor

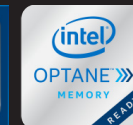
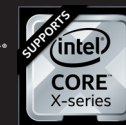
ACCESSORIES

- EVGA Quick Installation Guide
- Rear Case I/O Panel
- 2 SATA 6G Data Cables
- WiFi/BT Antenna
- M.2 Key-M Thermal Pad
- 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.





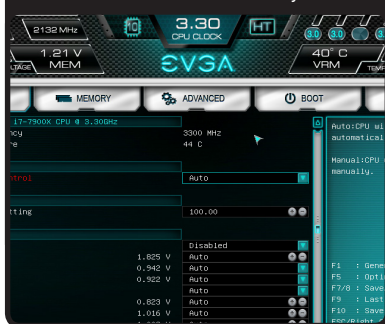
X299 Micro ATX 2

Part No: 121-SX-E296-KR

FEATURES

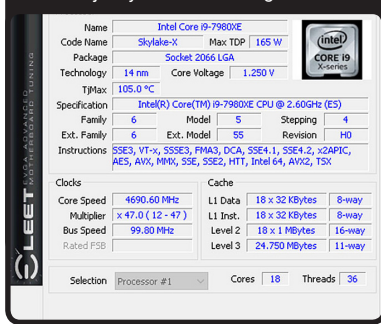
FULL UEFI GUI BIOS INTERFACE

Focused on functionality



E-LEET TUNING UTILITY

Adjust your overclocking in OS



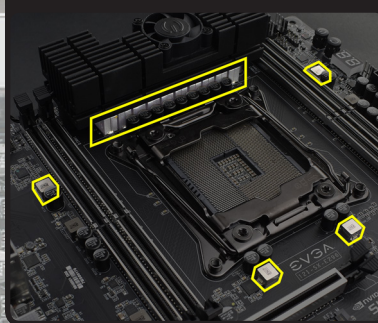
8 LAYER PCB

Improved overclock stability and PCB cooling



14 PHASE PWM

Cleanest variable power switching



HIGHER GOLD CONTENT (150%)

Lower inductance, better power delivery!



REINFORCED PCIe / DIMM SLOTS

Reinforced for the heaviest of graphics cards



INTEL® VROC SUPPORT

Virtual RAID on CPU for next-gen speeds



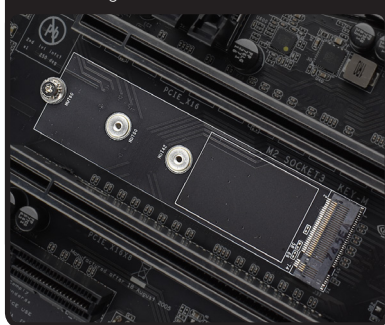
INTEL WiFi/BT + ANTENNA

NEW integrated EVGA module for wireless connections



M.2 SLOT

Next generation SSD form factor



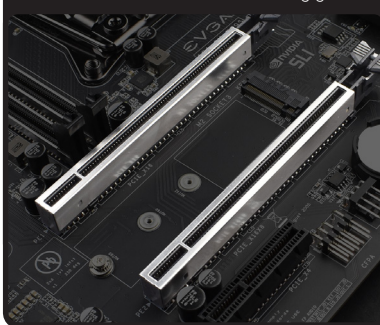
ONBOARD POWER / RESET

CMOS reset buttons at your fingertips.



2-Way SLI Ready

Able to handle the most demanding games



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