

ASUS PRIME X299-A II - motherboard - ATX - LGA2066 Socket - X299



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SKU	90MB11F0-M0EAY0
Product Description:	ASUS PRIME X299-A II - motherboard - ATX - LGA2066 Socket - X299
Product Type:	Motherboard - ATX
Chipset Type:	Intel X299
Processor Socket:	1 x LGA2066 Socket
Compatible Processors:	Core X
Max RAM Size:	256 GB
RAM Supported:	8 DIMM slots - DDR4, non-ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	Intel X299
Processor Socket:	LGA2066 Socket
Max Processors Qty:	1
Compatible Processors:	Core X

Supported RAM

Max Size:	256 GB
Technology:	DDR4
Bus Clock:	2400 MHz, 2133 MHz, 2666 MHz, 3600 MHz (O.C.), 4000 MHz (O.C.), 4133 MHz (O.C.), 4266 MHz (O.C.), 4200 MHz (O.C.)
Supported RAM Integrity Check:	Non-ECC
Registered or Buffered:	Unbuffered
Features:	Intel Extreme Memory Profiles (XMP)

Audio

Type:	HD Audio (8-channel)
Audio Codec:	Realtek ALC51220A

Miscellaneous

Included Accessories:	RGB (RGBW) LED strip extension cable, vertical M.2 bracket set, RGB Addressable LED extension cable
Cables Included:	4 x Serial ATA cable
Software Included:	Drivers & Utilities, ASUS AI Charger, ASUS AI Suite III, ASUS EZ Update, Antivirus (OEM version), ASUS Turbo Core App
Compliant Standards:	Plug and Play
Width:	30.5 cm
Depth:	24.4 cm

Features

BIOS Type:	AMI
BIOS Features:	WfM 2.0 support, Multilingual BIOS, ASUS Quiet Thermal Solution, USB BIOS Flashback, UEFI BIOS, ASUS EZ Flash 3, DMI 3.0 support, ACPI 6.1 support, SMBIOS 3.1 support

Sleep / Wake Up:	Wake on LAN (WOL), wake on PME
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Audio

Compliant Standards: High Definition Audio, DTS:X Ultra

LAN

Network Controller: Intel I219V

Network Interfaces: Gigabit Ethernet

Expansion / Connectivity

Expansion Slots: 1 x CPU | 8 x DIMM 288-pin | 3 x PCIe 3.0 x16 (44-lane CPU (x16, x16/x16, x16/x16/x8 modes), 28-lane CPU (x16, x16/x8 modes)) | 2 x PCIe 3.0 x1 | 1 x M.2 socket (Key E)

Storage Interfaces: SATA-600 -connectors: 8 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 / RAID 5 | SATA-600 / PCIe 3.0 -connectors: 1 x M.2 | PCIe 3.0 -connectors: 2 x M.2

Interfaces: 1 x LAN (Gigabit Ethernet) | 1 x PS/2 keyboard / mouse | 4 x USB 3.2 Gen 1 | 2 x USB 2.0 | 1 x USB 3.2 Gen 2 | 1 x USB-C Gen2 | 1 x microphone - mini-jack | 1 x audio line-out (center/subwoofer) - mini-jack | 1 x audio line-out (rear) - mini-jack | 1 x audio line-in - mini-jack | 1 x audio line-out - mini-jack | 1 x TOSLINK

Internal Interfaces: 4 x USB 2.0 - header | 4 x USB 3.2 Gen 1 - header | 1 x USB 3.2 Gen 2 - header | 1 x audio - header

Power Connectors: 24-pin main power connector, 8-pin ATX12V connector

Features

Hardware Features:

Jack retasking, ASUS Q-Design, ESD Guards, Q-DIMM, Q-LED, Q-Slot, CrashFree BIOS 3, ASUS Q-Connector, audio jack detect technology, ASUS EPU (Energy Processing Unit), NVIDIA 3-way SLI Technology Support, NVIDIA Quad SLI Technology Support, NVIDIA 2-way SLI Technology Support, ASUS TPU (TurboV Processing Unit), ASUS DIGI+ VRM, Q-Code, AMD CrossFireX technology support, AMD Quad CrossFireX technology support, AMD 3-way CrossFireX technology support, ASUS Enhanced DRAM Overcurrent Protection, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, anti-pop function, Turbo LAN, Dual Intelligent Processors 5, LANGuard, ASUS Overvoltage Protection, AURA RGB Lighting Control, ASUS Fan Xpert 4, ASUS SafeSlot, Intel Turbo Boost Technology 3.0, Intel Optane Memory Ready, ASUS 5X Protection III, Intel VROC support, pre-mounted I/O shield, Armoury Crate, ASUS Node, ProCool II Power Connector

