



ASUS Prime X299-A II Intel® X299 LGA 2066 (Socket R4) ATX

Brand : ASUS

Product code: 90MB11F0-M0EAY0

Product name : Prime X299-A II



- Intel LGA 2066 socket: Ready for the latest Intel® Core™ X-series processors
 - AI Overclocking: Quickly optimizes your CPU performance based on the CPU and cooler, achieving results that are extremely close to manual tuning by experts
 - Robust power design: 12 IR3555 power stages, ProCool II connectors, alloy chokes and ultra-durable capacitors for stable power delivery
 - M.2 heatsink: Ultra-efficient heatsink reduces M.2 SSD temperatures by up to 20° C for unthrottled transfer speeds and enhanced reliability
 - Next-gen connectivity: Intel Optane memory ready, Intel® VROC support, dual M.2 support, and USB 3.2 Gen Type-C™
- Socket 2066, Intel X299 Chipset, 8 x DIMM DDR4, 8 x SATA, 3 x M.2, Gigabit LAN, Realtek S1220A, ATX

Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports *	1
Processor socket *	LGA 2066 (Socket R4)	PS/2 ports quantity	1
Compatible processor series *	Intel® Core™ X-series	Headphone outputs	1
Maximum number of SMP processors	1	Microphone in	✓
Supported processor sockets	LGA 2066	S/PDIF out port	✓
Memory		Network	
Supported memory types *	DDR4-SDRAM	Ethernet LAN	✓
Number of memory slots *	8	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	LAN controller	Intel® I219-V
Non-ECC	✓	Wi-Fi *	✗
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3733,3800,3866,4000,4133,4266 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel® X299
Supported storage drive interfaces *	M.2, SATA III	Audio chip	Realtek ALC S1220A
RAID levels	0, 1, 5, 10	Audio output channels *	7.1 channels
Graphics		Component for *	PC
Parallel processing technology support *	2-Way SLI, 3-Way CrossFireX, 3-Way SLI, Quad-GPU CrossFireX, Quad-GPU SLI	Motherboard form factor *	ATX
		Motherboard chipset family *	Intel
		Cooling type	Passive
		Power source type	ATX
Internal I/O		Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 10 x64
USB 2.0 connectors *	2	Harmonized System (HS) code	84733020
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Expansion slots	
Number of SATA III connectors *	8	PCI Express x1 (Gen 3.x) slots	2
Front panel audio connector	✓	PCI Express x16 (Gen 3.x) slots	3
Front panel connector	✓	Number of M.2 (M) slots	3
ATX Power connector (24-pin)	✓	BIOS	
Number of EATX power connectors	2	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	128 Mbit
Number of chassis fan connectors	2	ACPI version	6.1
Number of COM connectors	1		
Thunderbolt headers	1		

Rear panel I/O ports		BIOS	
USB 2.0 ports quantity *	2	System Management BIOS (SMBIOS) version	3.1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Processor special features	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Intel Extreme Memory Profile (XMP)	✓
		Intel® Optane™ Memory Ready	✓
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Drivers included	✓
		Other features	
		HDD size	2.5/3.5"
		Processor lithography	14 nm
		Utilities included	✓



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