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

Gamintojas: **ASUS** · Modelis: **90MB11F0-M0EAY0** · EAN: **4718017488594** · Prekės kodas: **1032077**



486,90 €

Kaina su PVM

Be PVM: **402,40 €**

Sandėlyje

Prekė internetu
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Pagrindinės savybės

- ✓ 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™



Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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Aprašymas

The Prime X299-A II caters to users with serious pursuits: Those who prefer to put their high-core-count processors to more productive use. This high-end desktop board combines cutting-edge performance with our signature features, including an enhanced VRM tailored for running the CPU performance at stock speeds, intuitive cooling control, next-gen connectivity, and extensive customization.

Get the most out of all your cores

Intel®'s high-end desktop platform raises the stakes with updated Intel Core™ X-Series Processors that boast cores, cache, and bandwidth. The Prime X299-A II is ready for the additional processing power that plows through CPU-intensive tasks, and the extra bandwidth allows you to add more GPUs and NVMe SSDs to accelerate a wide range of work.

Robust Power Design

The LGA 2066 socket is compatible with Intel Core X-Series Processors with up to 18 cores, over 44 PCI Express® lanes, and 165-watt thermal design power (TDP). Those specs require serious power, so the Prime X299-A II is equipped with an enhanced power solution that includes 12 power stages that line up neatly along the top edge of the PCB.

Multi-GPU support

Fully loaded takes on a new meaning when you have over 44 PCI Express lanes stemming from the CPU. Those lanes can be split in an x16/x16/x8 configuration spanning the board's trio of PCIe x16 slots, allowing you to load up on GPUs to accelerate an increasingly diverse array of work.

Achieve speed with onboard M.2

Professional applications require fast solid-state storage, which is why the Prime X299-A II is equipped with three M.2 slots that are compatible with the latest NVMe SSDs. All slots support longer 110 mm drives, and they can be configured into bootable RAID arrays connected directly to the CPU via Intel VROC technology.

VROC
Upgrade your RAID
Use onboard M.2 slots and ASUS Hyper M.2 x16 Card V2* to take advantage of Intel's Virtual RAID on CPU (VROC)** by connecting the three M.2 drives in RAID configurations. With VROC, your RAID arrays are easily configured to be bootable, and traditional DMI bottlenecks are eliminated so that your storage is not held back by other traffic.

USB 3.2 Gen 2 front-panel connector
Future-proof connectivity
Plenty of USB ports are provided to support high-end rigs loaded with peripherals, including a front-panel header with faster USB 3.2 Gen 2 connectivity for compatible cases.

Intel Ethernet
More throughput, less CPU usage and great gaming experiences
The latest Intel I219-V Ethernet has the advantage of reducing CPU overhead and offering exceptionally high TCP and UDP throughput for faster, smoother data transfer.

Cool to the core

Effective cooling is extremely important, even at stock speeds. That is why the Prime X299-A II allows consolidated cooling control of the entire system, even for the most hardcore rigs. It comes equipped with onboard heatsinks, an array of fan headers, and options for water pump or AIO headers.

M.2 Heatsinks

Two M.2 slots are covered by heatsinks to combat temperature-induced throttling that can affect performance during heavy, sustained storage loads.

Backplate

A reinforced backplate improves the stability of the board, and the included thermal pad efficiently directs heat away from the VRM and other components.

Cooler by design

Prime X299-A II features the most comprehensive cooling controls ever, configurable via FanXpert 4 or the UEFI BIOS.
Each header can dynamically reference three thermal sensors, and via Fan Xpert 4 you can even map the temperature of supported ASUS graphics cards to optimize cooling for GPU- and CPU-intensive tasks.

Tune it your way

Comprehensive controls form the foundation of the ASUS Prime series. The Prime X299-A II packs flexible tools to tune every aspect of your system to deliver the performance that you desire.

AI Overclocking

ASUS AI Overclocking makes automatic tuning faster and smarter than ever before. Available in Windows or directly through the UEFI, it profiles the CPU and cooling to predict the optimal configuration for each individual system.

5-way Optimization

One click takes care of all that complex tuning. ASUS 5-Way Optimization makes your PC smart. It dynamically optimizes essential aspects of the system, providing overclocking and cooling profiles that are tailored for your rig.
- An automated tuning utility that optimizes overclocking and cooling profiles for your unique system configuration.
- Fans stay quiet as a whisper for everyday computing, and deliver optimal airflow when the system is crunching through CPU or GPU-intensive tasks.
- All-new stress test that allows users to optimize and overclock for CPU or memory-centric workloads.

UEFI BIOS

The renowned UEFI BIOS provides everything you need to configure, tweak, and tune your rig. It offers intelligently simplified options for newcomers to PC DIY, as well as comprehensive features for seasoned veterans.

Advanced tuning for serious tweaker

When you're ready for a deeper dive into the configuration of your system, delve into the UEFI's Advanced mode and take complete control. Each section is intuitively organized, and a built-in search feature makes it easy to find the options you need. Advanced functions are coded with the intelligence to adapt to your settings, and when you're ready to take charge, parameters have the granularity to dial in performance just the way you want.

Prediction

AI Overclocking monitors system vitals such as temperature, fan speed, and power draw to estimate overclocking performance.

AI Overclocking Guide

The AI Overclocking Guide allows you to enable AI Overclocking or to view a quick guide.

Search Function

Quickly and easily find the option or setting that you're looking for.

ASUS User Profile

Port configuration settings between different BIOS versions or share them with friends.

Breeze setup with ease

Designed to simplify setup, EZ mode presents all the vital settings and stats on one single page. With guided wizards, drag-and-drop functionality, and one-click application of important settings, your rig will be up and running in no time.

AI Overclocking
Enable AI Overclocking intelligence via shortcut

Intuitive Graphical Fan Control

Fine-tune individual fans simply by dragging a curve with the mouse.

EZ XMP

Improve DRAM performance with one click.

Aura On/Off mode (Stealth)

Easily enable or disable Aura RGB lighting or every onboard LED, for a subdued aesthetic touch.

Little things make a big difference

We pay careful attention to all the little details that improve your overall experience, from integrating a flashing utility directly into the UEFI to simplifying firmware updates or displaying your system vital signs. Prime X299-A II provides the tools you need to personalize your build and stay on top of things.

Pre-mounted I/O Shield
Set up without slip-ups
Form meets function in the pre-mounted I/O shield that we pioneered with the ROG series. Now available on Prime X299-A II, this feature streamlines the installation process for budding builders and savvy enthusiasts alike.

FlexKey
A multi-purpose button
The FlexKey maps the rarely used Reset button on the front-panel of your chassis to a different function. Instead of leaving the button set to a dated function, you can reassign it to change performance profiles, boot directly into the UEFI, toggle Aura Sync lighting, and much more.

BIOS FlashBack™
Update your BIOS without CPU and DRAM
The Prime X299-A II supports USB BIOS FlashBack™, which can perform low-level firmware updates using only a power supply and a USB stick with the required file.

ASUS Node
A header to keep ahead
ASUS Node is a proprietary bi-directional interface that allows ASUS motherboards to communicate with other system components, opening up a wealth of new options for system builders.

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Intel Optane memory ready

Intel Optane™ is a revolutionary non-volatile memory technology supported by Prime X299-A II. Intel Optane memory modules accelerate attached storage to reduce boot and load times, so everything feels faster and more responsive.

Intel X299 chipset

The Intel X299 chipset supports LGA 2066-socket Intel Core X-Series Processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability. Additionally, X299 provides a maximum 10 USB 3.2 Gen 1 ports, 8 SATA 6 Gbps ports and up to 32 Gbps M.2 support for faster data retrieval.

Intel® Core™ X-series processors for LGA 2066 socket

Intel Core X-series processors (6-core and above): 4-channel (8-DIMM), over 44 PCI Express 3.0/2.0 lanes.

Techninė specifikacija

Processor	
Processor manufacturer	Intel
Processor socket	LGA 2066 (Socket R4)
Compatible processor series	Intel® Core™ X-series
Maximum number of SMP processors	1
Supported processor sockets	LGA 2066
Memory	
Supported memory types	DDR4-SDRAM
Number of memory slots	8
Maximum internal memory	256 GB
Memory slots type	DIMM
ECC compatibility	Non-ECC
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3733,3800,3866,4000,4133,4266 MHz
Unbuffered memory	Yes
Storage controllers	
Supported storage drive interfaces	M.2, SATA III
Supported storage drive types	HDD & SSD
RAID support	Yes
RAID levels	0, 1, 5, 10
Graphics	
Parallel processing technology support	2-Way SLI, 3-Way CrossFireX, 3-Way SLI, Quad-GPU CrossFireX, Quad-GPU SLI
On-board graphics card	No

Internal I/O	
USB 2.0 connectors	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors	2
USB 3.2 Gen 2 (3.1 Gen 2) connectors	0
Number of SATA III connectors	8
Number of SATA II connectors	0
Number of SATA connectors	0
Number of Parallel ATA connectors	0
Front panel audio connector	Yes
Front panel connector	Yes
ATX Power connector (24-pin)	Yes
Number of EATX power connectors	2
CPU fan connector	Yes
Number of chassis fan connectors	2
Number of COM connectors	1
Thunderbolt headers	1
Rear panel I/O ports	
USB 2.0 ports quantity	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	0
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	0
Ethernet LAN (RJ-45) ports	1
VGA (D-Sub) ports quantity	0
HDMI ports quantity	0
DVI-D ports quantity	0
eSATA ports quantity	0
PS/2 ports quantity	1
Firewire (IEEE 1394) ports	0
Headphone outputs	1
Microphone in	Yes
S/PDIF out port	Yes
Network	
Wi-Fi	No
Ethernet LAN	Yes

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Ethernet interface type	Gigabit Ethernet
LAN controller	Intel® I219-V
Features	
Component for	PC
Motherboard form factor	ATX
Motherboard chipset family	Intel
Motherboard chipset	Intel® X299
Audio output channels	7.1 channels
Audio chip	Realtek ALC S1220A
Product colour	Black, Silver
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 10 x64
Expansion slots	
PCI Express x1 (Gen 3.x) slots	2
PCI Express x16 (Gen 3.x) slots	3
Number of M.2 (M) slots	3
BIOS	
BIOS type	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	6.1
System Management BIOS (SMBIOS) version	3.1
Processor special features	
Intel Extreme Memory Profile (XMP)	Yes
Intel® Optane™ Memory Ready	Yes
Logistics data	
Harmonized System (HS) code	84733020
Weight & dimensions	
Width	305 mm
Depth	244 mm
Packaging content	
Drivers included	Yes
Other features	

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mSATA ports quantity	0
HDD size	2.5/3.5"
Processor lithography	14 nm
Utilities included	Yes

Dokumentai ir vaizdo įrašai

› Naudojimo instrukcija

Gamintojo ir saugos informacija

GAMINTOJAS

ASUSTeK Computer Inc
Li-Te Road 15, 112 Taipei, TW
asus.com

ATSAKINGAS ASMUO ES

ASUS France S.A.R.L.
Allee bienvenue 10, 93160 Paris, FR
channel.asus.com

PLATINTOJAS

MB KOMPIUTERIŲ GURU
V. Nagevičiaus g. 3, LT-08237 Vilnius
info@shopro.lt