

ASUS PRO WS WRX90E-SAGE SE AMD WRX90 Socket sTR5 EEB motherboard for workstations

Gamintojas: **ASUS** · Modelis: **90MB1FW0-M0EAY0** · EAN: **4711387441145** · Prekės kodas: **767468**



1 442,90 €

Kaina su PVM

Be PVM: **1 192,48 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt

Pagrindinės savybės

- ✓ AMD Socket sTR5 AMD Ryzen Threadripper PRO 7000 WX-Series
- ✓ Kompiuterizuotos darbo vietos EEB AMD WRX90 Realtek ALC1220P
- ✓ DDR5-SDRAM 8 DIMM Maksimali vidinė atmintis: 2 TB
- ✓ HDD & SSD M.2, SATA III, SlimSAS RAID palaikymas Palaikomų saugojimo tvarkyklių skaičius: 10
- ✓ BIOS tipas: UEFI AMI 256 Mbit CMOS jutiklio valymo mygtukas
- ✓ 10 Gigabit Ethernet, Greitas eternetas, Gigabitinis eternetas



Aprašymas

AMD sTR5 EEB workstation motherboard, 7 PCIe 5.0 x16 slots, multi-GPU support, robust 32+3+3+3 power-stage design, CPU and memory overclocking ready, 4 PCIe 5.0 M.2 slots, dual 10 Gb LAN, PCIe Q-Release Slim

ULTRAFAST CONNECTIVITY

Multi-GPU Support

The Pro WS WRX90E-SAGE SE motherboard features seven PCIe 5.0 x16 slots that provide flexible system configurability and expandability. With high-powered graphics cards, it can bring enhanced performance in modelling, simulation and rendering applications.

ULTRAFAST CONNECTIVITY

Ultrafast Networking

Intel® X710-AT2 dual 10 Gb Ethernet

Featuring dual onboard 10G LAN ports powered by the cutting-edge Intel® X710-AT2 Ethernet controller, the Pro WS WRX90E-SAGE SE makes short work of multi-terabyte transfers and provides server-grade connectivity with low-latency.

1 Gb Ethernet Dedicated to BMC

The Pro WS WRX90E-SAGE SE features an Ethernet port to provide fast data transfers simultaneously for 1 Gbps internet streaming to the onboard baseboard management controller.

Ultrafast Networking

Embrace Next-Generation USB4®

The USB Type-C port in the rear offers a DisplayPort™ alt mode with support for up to 8K resolution at 60 Hz, providing great compatibility for Type-C monitors and portable displays which are getting popular among creators.

* The MiniDP In port at the back panel needs to be connected to a discrete graphics card via the bundled MiniDP to DP cable.

High Capacity Storage

M.2 PCIe 5.0 slots

The Pro WS WRX90E-SAGE SE includes up to four onboard M.2 slots. Users working with massive files can RAID together multiple NVMe devices for massive I/O bandwidth and speedy data transfers.

SlimSAS slot

The Pro WS WRX90E-SAGE SE motherboard also features two SlimSAS ports for connecting industrial SSD drives, servers and networking equipment.

CPU AND MEMORY OVERCLOCKING READY

For AMD TR5 series workstations, we offer CPU and DRAM overclocking options. To fully leverage the performance of these processors, ASUS has incorporated an innovative dual PSU design on the Pro WS WRX90E-SAGE SE motherboard. Along with robust power delivery and advanced cooling modules, this motherboard exhibits enhanced stability during overclocking. Hardware switches and optimized BIOS options provide overclocking enthusiasts with greater convenience when pushing their systems to the limit. You may further boost your memory performance by enabling EXPO settings. The comprehensive synergy of EXPO and ECC R-DIMM further combines exceptional performance with outstanding stability, setting a new standard for workstation computing.

Power Stages in VRM Area

The Pro WS WRX90E-SAGE SE voltage regulator module setup is comprised of (16*2)+3+3+3 power stages, delivering the power and efficiency that the latest AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processors demand, with stability for extreme overclocking.

Active VRM Cooling Solutions

The extruded aluminum heatsinks on the MOSFETs and chokes contain active cooling to greatly enhance thermal efficiency.

ProCool II Connectors

ProCool II connectors ensure a snug and reliable connection to the 12V CPU input. This second generation features improved heat dissipation and a metal shroud.

Onboard PCIe Power Connectors

Two additional 8-pin PCIe cable connectors built into the motherboard can ensure power output stability when multiple graphic cards need to be installed.

ECC R-DIMM Memory Support

The Pro WS WRX90E-SAGE SE motherboard boasts a robust design featuring eight R-DIMM DDR5 memory module slots with ECC support, to improve the prevention of system crashes and data corruption, thereby ensuring that a workstation remains reliable and responsive for professional demands.

ASUS Control Center Express

The Pro WS WRX90E-SAGE SE comes with ASUS Control Center Express, real-time IT monitoring and management software designed for business that improves productivity and enhances security and can help prevent unauthorized access and data leaks.

THOROUGH THERMAL DESIGN

Chipset Cooling

A dedicated chipset heatsink draws heat away to maintain optimum operating temperatures, and it comes with an active fan to enhance thermal efficiency.

10 Gb LAN Cooling

An optimally located and extended heatsink on the 10 Gb Ethernet controller ensures stable high-speed networking performance.

M.2 Heatsinks with Active Fan

An active fan provides an additional cooling method to M.2 slots. All four M.2 slots come with large heatsinks to keep NVMe storage at the optimal operating temperature for consistent performance and reliability. M.2 thermal pads on select slots go even further to ensure peak performance for next-gen drives.

COMPREHENSIVE FAN CONTROLS

Thorough and Flexible Way to Adjust the Fans

The Pro WS WRX90E-SAGE SE offers advanced fan control, configurable via an IPMI web UI, Q-FAN in the UEFI BIOS*, or Fan Xpert 4 in Armoury Crate for Windows*

*Set BMC_SW to disabled to control fans via this method.

Multiple Temperature Source

Each header can be connected to a 3A-12V high speed fan and set to monitor and react to three user-configurable thermal sensors for workload-based cooling. All settings can be easily managed by Fan Xpert 4, UEFI and IPMI web interfaces.

INNOVATIVE DIY DESIGN AND ROBUST RELIABILITY

PCIe Q-release Slim

The new design of Q-release Slim allows users to remove the graphics card by tilting the card in its slot.

This design also keeps the original method of removing the graphics card by pushing down on the retention clip.

EZ DIY Design

SafeSlot & SafeDIMM

PCIe 5.0 is 2x faster than PCIe 4.0, so ASUS adapted its SMT manufacturing process to ensure the highest data speeds for its SafeSlot design.

SafeSlot is a reinforced metal sheath added to a PCIe slot to keep an expansion card firmly installed. Meanwhile, strong ASUS SafeDIMM sheathes support and protect memory modules on ASUS Pro series workstation motherboards, empowering users to insert modules with speed, accuracy and confidence.

24/7 Reliability

Built for around-the-clock operation

Optimized for 24/7 operation, the Pro WS WRX90E-SAGE SE WIFI motherboard is tested to work at up to 45°C and 80% humidity, ensuring it can handle diverse operating environments.

Built for Firm Protection

The back-plate on the back of the motherboard provides protection for adjacent electrical components and circuits.

Techninė specifikacija

Procesorius	
Procesoriaus gamintojas	AMD
Procesoriaus lizdas	Socket sTR5
Procesorių suderinamumas	AMD Ryzen Threadripper PRO 7000 WX-Series
Atmintis	
Palaikomi atminties tipai	DDR5-SDRAM
Atminties angų skaičius	8
Maksimali vidinė atmintis	2 TB
Atminties angų tipas	DIMM
Atminties kanalai	Aštuonių kanalų
ECC suderinamumas	ECC
Duomenų laikymo valdikliai	
Palaikomi saugojimo kaupiklių sąsajos	M.2, SATA III, SlimSAS
Palaikomi saugojimo kaupiklių tipai	HDD & SSD
Palaikomų kietųjų diskų skaičius	4
Palaikomų saugojimo tvarkyklių skaičius	10
RAID palaikymas	Taip
RAID lygiai	0, 1, 5, 10
Grafika	

Integruotas grafikos adapteris	Ne
Vidinis I/O	
USB 2.0 jungtys	2
USB 3.2 (3.1 1 kart.) jungtys	1
USB 3.2 (3.1 2 kart.) jungtys	0
SATA III jungčių skaičius	4
„USB 3.2 Gen“ 2 × 2 jungtys	1
SATA II jungčių skaičius	0
SATA jungčių skaičius	0
Priekinio skydelio audio jungtis	Taip
ATX maitinimo jungtis	Taip
CPU fan jungtis	Taip
Šasi fenų jungčių skaičius	5
Šasi intruzijos jungtis	Taip
EPS maitinimo jungtis (8-kaisčiai)	Taip
COM jungčių skaičius	1
TPM jungtis	Taip
Galinė panelė I/O jungtys	
USB 2.0 portų kiekis	1
USB 3.2 (3.1 1 kart.) A tipo prievadų skaičius	0
USB 3.2 (3.1 1 kart.) C tipo prievadų skaičius	0
USB 3.2 2 kart. (3.1 2 kart.) A tipo prievadų skaičius	6
USB 3.2 2 kart. (3.1 2 kart.) C tipo prievadų skaičius	0
Ethernet LAN (RJ-45) portų kiekis	2
VGA (D-Sub) portų kiekis	1
HDMI portų kiekis	0
DVI-D prievadų skaičius	0
„USB4 GEN 3x2“ prievadų skaičius	2
USB jungtis	USB A tipo, C tipo USB
Tinklas	
„Wi-Fi“	Ne
Ethernet LAN jungtis	Taip
Eterneto sąsajos tipas	10 Gigabit Ethernet, Greitas eternetas, Gigabitinis eternetas
„Wi-Fi“ standartas	Nepasiekiamo

Savybės

Taikoma	Kompiuterizuotos darbo vietos
Motininės plokštės formos faktorius	EEB
Motininės plokštės sisteminio valdiklio šeima	AMD
Pagrindinės plokštės lustas	AMD WRX90
Garso lustas	Realtek ALC1220P
Produkto spalva	Aliuminis, Juoda
Palaikomos „Windows“ operacinės sistemos	Windows 10 x64, Windows 11

Plėtotės lizdas

„PCI Express x16“ („Gen 5.x“) lizdai	7
M.2 (M) angų skaičius	4

BIOS

BIOS tipas	UEFI AMI
BIOS atminties dydis	256 Mbit
CMOS jutiklio valymo mygtukas	Taip

Pakuotės duomenys

Pakuotės plotis	377 mm
Pakuotės gylis	362 mm
Pakuotės aukštis	79 mm
Paketo svoris	3,62 kg

Svoris ir matmenys

Plotis	305 mm
Ilgis	330 mm
Aukštis	50 mm

Kitos savybės

mSATA prievadų skaičius	0
„Mini DisplayPort“ kiekis	2
Svoris	3,33 kg

Matmenys ir svoris

Matmenys (I × P × A)	37,00cm × 8,00cm × 38,00cm
Svoris	4,69kg

Dokumentai ir vaizdo įrašai

[› Naudojimo instrukcija](#)

Gamintojo ir saugos informacija

GAMINTOJAS

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