

<p><b>Motherboard ASUS PRO WS Z890-ACE SE 90MB1JC0-M0EAY0</b></p>	
Codice	CK342806
EAN	4711387828892
Marca	ASUS
Part number	90MB1JC0-M0EAY0
Storage unit	
Unità di vendita	Cadauno
Confezione	1
Imballaggio	1
Peso (kg)	1.856
Volume (cm <sup>3</sup> )	6473.6
<p>ASUS PRO WS Z890-ACE SE Intel Z890 LGA 1851 (Socket V1) ATX The Pro WS Z890-ACE SE empowers workstation users of all levels by maximizing the performance of the latest Intel® Core Ultra Processor (Series 2) processors with 16+1+2+2 team power stages, DDR5 slots, PCIe® 5.0 and lightning-fast connectivity including Thunderbolt 4 port, 10Gb and 2.5Gb Ethernet. The workstation motherboard is engineered to support dual graphics cards, making it an ideal choice for content creation, AI and deep learning, and IT management. <b>Thunderbolt Connectivity</b> The Pro WS Z890-ACE SE features a Thunderbolt 4 port, offering high-speed data transfers up to 40Gbps. This allows large files and datasets to be transferred in seconds, boosting productivity for workstation users, AI and deep learning experts, and IT managers. Thunderbolt 4 also supports multiple 4K displays or a single 8K display for clear and smooth visuals, essential for professional applications. Its strong compatibility with existing Thunderbolt and USB devices simplifies connectivity and management. <b>PCIe 5.0 Support</b> The Pro WS Z890-ACE SE offers PCIe 5.0 support to give unfettered bandwidth to the fastest SSDs and graphics cards available. <b>PCIe 5.0 Expansion Slots</b> Both of the x16 expansion slots are PCIe 5.0, offering incredible speeds of up to 64 GB/s for compatible devices. To bear the brunt of massive graphics cards, they are also protected with SafeSlot retention brackets, and the both slots can be released easily via Q-Release Slim. <b>Remote Control Solution</b> Onboard BMC The Pro WS Z890-ACE SE workstation</p>	

motherboard features compatibility with BMC connections, and it is bundled with ASUS Control Center Express software to provide comprehensive in-band and out-of-band management features for businesses and industries. **ASUS Control Center Express** A dedicated chipset heatsink draws heat away to maintain optimum operating temperatures, and it comes with an active fan to enhance thermal efficiency. **USB Port Management** Enable or disable the USB port, or set it to Read Only to prevent data leaks. **Software Blacklist** For added security, a software blacklist is available to help prevent the use of high-risk applications. **Registry Editor On/Off** Remotely disable the Registry Editor on client devices to prevent unauthorized changes to system configurations. **The Core of Your Powerful Workstation** Designed to meet the needs of high-core-count CPUs, the Pro WS Z890-ACE SE features 16(90A)+1(90A)+2(90A)+2(80A) power stages that integrate high-side and low-side MOSFETs and drivers into packages rated for up to 90 amps each. This configuration ensures optimal power delivery, efficiency, stability and performance for new Intel® Core Ultra Processors (Series 2). **Eight-Layer PCB Design** This enhances quick heat dissipation around the voltage regulators for enhanced stability and overclocking. **ProCool II Connectors** These are built to tight specifications to ensure flush contact with PSU power lines. The resulting lower impedance helps to prevent hotspots and connector failure. **Superior Chokes & Capacitors** These are engineered to resist extreme temperatures, providing a higher level of performance than the industry standard. **Digi+ VRM Control** The ASUS Digi+ voltage-regulator module (VRM) is one of the finest in the industry and ensures ultra-smooth power delivery to the CPU. **Performance Boost NPU Boost** The integrated Neural Processing Unit in Intel® Core Ultra Processors (Series 2) efficiently accelerates AI workflows and NPU Boost lets you do more with it. This BIOS feature overclocks the NPU with just one click, increasing performance by up to 24%.<sup>1</sup> **Memory** The Pro WS Z890-ACE SE enhances DDR5 performance by providing overclocking options that would otherwise be locked, whether you are dealing with high-speed or entry-level memory modules. **DIMM Fit** DIMM Fit is an ASUS-exclusive BIOS feature that precisely analyzes individual memory modules to optimize performance and pinpoint potential issues. This offers peak efficiency, compatibility and system stability. Whether you are an overclocker seeking ultimate performance, a competitor pursuing the most responsive gameplay or a content creator prioritizing rock-solid stability, DIMM Fit provides optimizations tailored to your needs and your hardware configuration. **AEMP III** ASUS Enhanced Memory Profile III (AEMP III) is an advanced firmware feature that empowers users to achieve unparalleled memory performance with cutting-edge CUDIMM memory. Through a two-phase comprehensive tuning process, AEMP III first optimizes the clock driver and then the memory frequency. This results in the best balance between performance and stability, even at cutting-edge speeds of DDR5-8000 or higher.<sup>2</sup> **Intelligent AI Solutions AI Overclocking** Maximized CPU performance and predictions for ideal CPU and cooling settings push your system to its limits. **AI Cooling II** Balance the thermals and acoustics of any build with a single click. **AI Advisor** Using AI technology to understand natural-language questions or scenario descriptions, ASUS AI Advisor allows users to explore the functionality and advanced features of ASUS motherboards in a simple and straightforward way.<sup>3</sup> **Easy PC DIY PCIe® Slot 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. Step1: Firmly grasp the graphics card Step2: Slightly tilt the card while pulling upward<sup>4</sup> **M.2 Q-Latch** The innovative ASUS Q-Latch makes it easy to install or remove an M.2 SSD without the need for specific tools or screws. This design employs a simple locking mechanism to secure the drive and neatly detach it with one tap. **ASUS DriverHub** ASUS DriverHub streamlines the installation and management of ASUS drivers and utilities to keep your hardware up-to-date and perform optimally. This standalone application automatically detects current driver versions and presents available updates in a list view. Users are invited to install ASUS DriverHub after OS installation. **Four Onboard M.2 Slots** The Pro WS Z890-ACE SE features one PCIe 5.0 M.2 slot and three PCIe 4.0 M.2 slots to enjoy the fastest data transfers of up to 128 Gbps, and all M.2 slots support NVMe RAID configurations to take advantage of the latest available speeds.<sup>5</sup> **24/7 Reliability** Optimized for 24/7 operation, the Pro WS Z890-ACE SE motherboard is tested to work at up to 45°C and 80% humidity, ensuring it can handle diverse

operating environments.

## SPECIFICHE

Tipo	ddr5
Dimensioni	atx
Marca	ASUS
Processore Socket	socket lga1851
Connettore video	1 x hdmi,1 x displayport

## SPECIFICHE TECNICHE

Alimentazione	24-pin ATX V
Connettore Video	1 x HDMI,1 x DisplayPort
Chipset	Intel Z890

## CANALI/CONNETTORI

Audio	7,1
Connettori Speciali	Connettore ATX (24-PIN), Connettore ventola CPU, Numero di connettori della ventola della CPU: 1, Connettore d'intrusione del telaio, Connettore di potenza EPS (8-Pin), Numero di connettori di alimentazione EPS (8 pin): 2, Numero di connettori COM: 1, Numero di connettori per la pompa dell'acqua: 1, Connettori USB 3.2 Gen 2x2: 1
PCI	0
PCI-Express 16x	3
PCI-Express 1x	0
Ps/2	0
USB 2.0 - interni	2
USB 2.0 - retro	0
Ventole chassis	5
USB 3.0 - interni	1
USB 3.0 - retro	0
SATA revision 2.0 (SATA 3 Gbit/s)	0
SATA revision 3.0 (SATA 6 Gbit/s)	4
USB 3.1 - interni	0
USB 3.1 - retro	6
USB 3.2 Gen 1 - interni	1
USB 3.2 Gen 2 interni	0

USB 3.2 Gen 1 - retro	0
USB 3.2 Gen 2 retro	6
<b>AUDIO INTEGRATO</b>	
Numero Canali	7,1
Connettori scheda audio	Connettore audio, Connettore pannello audio frontale
Modello scheda audio	Realtek ALC 1220
<b>VIDEO</b>	
Modello scheda video	Non presente
Tecnologia multi GPU	Not supported
GPU integrata	No
<b>PROCESSORE</b>	
CPU compatibili	Intel Core Ultra (Series 2)
Famiglia processore	Intel
Socket	Socket LGA1851
System on a chip	No
<b>GENERALE</b>	
Dotazione Hardware	2 x SATA 6Gb/s cables
Altre Caratteristiche	Tipi di memoria supportati: DDR5-SDRAM, RAM massima supportata: 256 GB, Tipi di unità di archiviazione supportate: HDD & SSD, Interfacce dell'unità di archiviazione supportate: M.2,PCI Express 5.0,SATA III
<b>MEMORIA</b>	
Dual Channel	No
Espansione max	256 GB
Frequenza max	4533 MHz
Numero Slot	4
Tipo Moduli	DDR5
Triple Channel	No
Non ECC	No
Frequenza max Overclock	9066 MHz
Quad Channel	No
<b>DIMENSIONI</b>	
Form factor	ATX
<b>CONTROLLER</b>	
LAN	1 x Realtek 2.5G LAN

Raid	0/1/5/10
<b>DIMENSIONI CON IMBALLO</b>	
Peso con imballo	1,43 kg
Lato A	33,8074 cm
Lato B	25,6 cm
Lato C	5,08 cm