

# ASUS MB X99-M WS/SE server/workstation motherboard (90SB05P0-M0EAY0)

Intel X99, Socket 2011-v3, DDR4, PCIe 3.0/2.0 x16, mATX



## Price details:

Price excl. VAT: 216.54 €

Eco fees: 0.00 €

VAT 21 %: 45.47 €

## Product details:

Product code: 90SB05P0-M0EAY0

EAN: 4712900173147

Manufacturer: ASUS

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**262.01 €**

Product is discontinued. You can not order it anymore.

\* VAT included

The most-powerful X99 micro-ATX with USB 3.1 on board.

- Ultimate micro-ATX graphics power - Accommodates dual PCI Express 3.0 graphics cards at x16 speed.
- The latest 10Gb/s USB 3.1 - Built into the board-twice as fast USB 3.0.
- 5-Way Optimization by Dual Intelligent Processors 5 - One click, total system optimization.
- Supreme Power Solution - Premium components deliver industry-leading power efficiency.
- Crystal Sound 2-Flawless audio that makes you part of the game.

## Workstation Exclusive

### 2-Way Graphic Power

The Intel X99 chipset-based workstation motherboard features on-demand NVIDIA® GeForce® SLI and AMD CrossFireX technology.

Ultimate micro-ATX graphics power: Two-way PCIe Gen 3 at x16 speed

X99-M WS/SE is the first ASUS micro-ATX with PCIe slots able to accommodate up to two dual-slot graphics cards. The new motherboard supports both two-way NVIDIA® GeForce® SLI and AMD® CrossFireX configurations, making it an excellent choice for graphics professionals who depend on powerful graphics in areas such as design and modeling, medical research, plus processing-intensive simulation and rendering applications.

In addition to graphics cards, extensive expandability offers ample room for RAID cards, PCI Express-based solid-state drives (SSDs), video-capture cards and many other popular components.

## Supreme Power Solutions

ASUS X99-M WS/SE couples innovative thinking with premium components to deliver industry-leading power efficiency. Carefully engineered with Beat Thermal Chokes made of highly conductive and efficient gold-treated coating for minimal-loss power delivery and integrated Dr.MOS MOSFET that both saves space and reduces operating temperatures. For the latest workstation motherboard, ASUS introduce the industry's most durable 12K solid capacitors, and exclusive ASUS ProCool power connectors. X99-M WS/SE is built to stay cool under pressure - and boosts performance, power efficiency and product longevity into extreme levels!

## 12K hour caps - Capacitors with World's Best Longevity

ASUS is the world's first motherboard manufacturer to introduce 12K solid capacitors, and X99-M WS/SE is of course equipped. These Japanese-made capacitors are the most durable in the industry, able to endure up to 12K hours at 105 °C and 1.2M hours at 65 °C. This is far higher than the temperatures generated by everyday computing, so X99-M WS/SE is built for endurance. Our 12k capacitors also boast lowered equivalent series resistance (ESR) for increased efficiency and minimized heat generation - improving overall performance!

## Flagship performance

Drive CPU and DDR4 performance beyond all expectations!

### Patent Pending OC Socket

Designed to break performance barriers, ASUS OC Socket utilizes extra pins to connect a proprietary circuit to contacts found on Haswell-E's land grid array (LGA). Combined with our customized UEFI, this exclusive feature enables higher DDR4 memory frequencies, lower latencies and enhanced stability while overclocking, extending all the way to extreme overclocking conditions, such as Liquid Nitrogen (LN2). OC Socket is 100% compatible with new Haswell-E LGA 2011-

v3 CPUs, ensuring the ideal combination of overclocking performance and compatibility.

#### Media-acclaimed UEFI BIOS

The smoothest, slickest mouse-controlled graphical BIOS has been improved to make it even more appealing. Whether you're a PC novice or a seasoned overclocker, the EZ and Advanced Modes help you find your way, quickly and easily.

#### Ultra-fast transfer speed

Speed up with onboard M.2 to 10GB/s

With x 2 x PCI Express 2.0 bandwidth, M.2 supports up to 10GB/s data-transfer speeds. It is the perfect choice for an operating system or application drive, making your whole PC or professional apps work as fast as possible.

#### 10Gb/s USB 3.1 built in to the board

With the latest USB 3.1 connectivity built in and dual Type-A ports for the very fastest USB data transfers, you'll experience data-transfer speeds of up to 10Gbit/s - or twice as fast USB 3.0. The next-generation standard is completely backward-compatible with your existing USB devices, and you'll be all set for USB 3.1's breakneck speeds. And ASUS-exclusive USB 3.1 Boost technology automatically accelerates USB 3.1 performance even further!

#### For Gamers and Professionals

App specific optimization for professionals and gamers

#### Turbo App

Gamers and professionals can get benefit from app specific optimizations by the exclusive ASUS Turbo App. Its intuitive tuning panel boosts a range of hardware; overclock your CPU, tune your fans, prioritize network data and optimize audio settings automatically.

#### Multi-GPU support

With support for both NVIDIA® SLI and AMD CrossFireX 2-Way configurations, the X99 motherboard enables multi-GPU setups so you can harness the full power of the latest graphics technologies to drive games at 4K and beyond.

#### Powerful Home Server

#### ASUS HomeCloud

ASUS HomeCloud creates a world without boundaries. It lets you access your PC remotely, stream multimedia content to wherever you want, and manage all your stuff from anywhere - no matter where it's stored. It even turns your hard drive into private cloud storage, removing worries about storage limits. With HomeCloud, your PC becomes the gateway to your world.

#### Total control anytime, anywhere with Wi-Fi GO!

Wi-Fi GO! gives you complete control of your PC - even when you're away from home! Access your forgotten files at home, work on your PC while you are in the traffic or outside. Plus one step to manage all your public clouds or sync files among your PC and devices in a click.

#### A digital PC hub perfect for sharing and home theater

#### Media Streamer

Enjoy your PC's multimedia content -anywhere! Pipe music from your PC while sipping coffee in a café or sit back with friends and stream a favorite movie to a smart TV. With ASUS Media Streamer, your entertainment goes wherever you go.

#### Intel CPU and chipset features

#### Intel® Core i7 Processor LGA2011-v3 Ready

This motherboard supports Intel® Core i7 processors in the LGA2011-v3 package, with memory and PCI Express controllers integrated to support 4-channel DDR4 memory and 40/28 PCI Express 3.0/2.0 lanes.

#### Intel® X99 Express Chipset

The Intel® X99 Express Chipset is a single-chipset design that supports socket LGA2011-v3 Intel® Core i7 processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability. Additionally, X99 provides a maximum 6 USB 3.0 ports, 10 SATA 6Gbit/s ports for faster data retrieval.

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#### Main specifications:

##### Processor

Processor manufacturer:	Intel
Processor socket:	LGA 2011-v3
Number of processors supported:	1
Compatible processor series:	Intel Core i7

##### Memory

Supported memory types:	DDR4-SDRAM
Supported memory clock speeds:	1866,2133,2400,2666,2800,3000,3200 MHz

Number of DIMM slots:	4
Maximum internal memory:	64 GB
Non-ECC:	Y
Memory channels:	Quad
<b>Storage controllers</b>	
Hard drive interface:	Serial ATA III
RAID levels:	0,1,5,10
RAID support:	Y
<b>Internal I/O</b>	
USB 2.0 connectors:	2
Number of SATA III connectors:	8
ATX Power connector (24-pin):	Y
Number of EATX power connectors:	4
EPS power connector (8-pin):	Y
Chassis intrusion connector:	Y
Number of chassis fan connectors:	3
TPM connector:	Y
CPU fan connector:	Y
Clear CMOS button:	Y
USB 3.0 (3.1 Gen 1) connectors:	1
<b>Back panel I/O ports</b>	
USB 2.0 ports quantity:	2
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	4
Ethernet LAN (RJ-45) ports:	2
USB 3.1 (3.1 Gen 2) Type-A ports quantity:	2
Headphone outputs:	1
Microphone in:	Y
<b>Features</b>	
Motherboard chipset:	Intel X99
Motherboard form factor:	microATX
Component for:	PC
Audio output channels:	7.1 channels
<b>Networking</b>	
Ethernet LAN:	Y
Wi-Fi:	Y
Ethernet interface type:	Gigabit Ethernet
LAN controller:	Intel I210AT,Intel I218-LM
<b>Graphics</b>	
Parallel processing technology support:	2-Way CrossFireX,2-Way SLI,Quad-GPU CrossFireX,Quad-GPU SLI
<b>BIOS</b>	
BIOS type:	UEFI AMI
BIOS memory size:	16 MB
ACPI version:	5.0
<b>Operational conditions</b>	
Operating temperature (T-T):	10 - 35 °C
Storage temperature (T-T):	-40 - 70 °C
Storage relative humidity (H-H):	20 - 90 %
<b>Weight &amp; dimensions</b>	
Width:	244 mm
Depth:	244 mm

\*PLEASE NOTE: Every effort has been made to ensure the accuracy of all information contained herein. Lasystems makes no warranty expressed or implied with respect to accuracy of the information, including price, editorials or specifications. Lasystems or its suppliers shall not be liable for incidental, consequential or special damages arising from, or as a result of, any electronic transmission or the accuracy of the information contained herein, even if Lasystems has been advised of the possibility of such damages. Product and manufacturer names are used only for the purpose of identification.