# ASUS P10S WS server/workstation motherboard (90SB05T0-M0EAY0)

P10S WS, 4 DIMM's DDR4 2133MHz, PCIe 3.0 x16, LGA1151, 10Gb/s, SATA 6Gb/s, HDMI, DisplayPort, DVI-D, VGA

**Price details:**
Price excl. VAT: 196.95 €
Eco fees:  0.07 €
VAT 21 %: 41.37 €

**Product details:**
Product code: 90SB05T0-M0EAY0
EAN: 4712900268348
Manufacturer: ASUS

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## 238.39 €

\* VAT included

Optimized for Professional Workstation Builds

- Optimized integrated graphic power supported latest API
- Quad PCIE3.0 x16 slots for flexible extended add-on cards
- Drive three independent displays simultaneously with HDMI, DisplayPort, DVI-D, VGA ports
- Performance increasing and data redundancy with Dual M.2 by SATA mode
- The latest 10Gb/s USB 3.1 on board for high transfer speed

Optimized integrated graphic power supported latest API
The P10S WS features Intel® Socket 1151 with the C236 chipset specially-designed for workstations. It supported latest API software like DirectX 3D 2015, OGL 4.4, OpenGL ES 3.0 and OpenCL2.1. ISV application testing and certification with integrated graphics cores on E3-1200 v5 processors are perfect for entry-level workstations and software such as Autodesk AutoCAD, Autodesk Maya and Adobe After Effects CC, etc. The P10S WS is your best choice for DIY workstation build that rivals top-tier pre-built workstations.

Quad PCIE3.0 x16 slots for flexible extended add-on cards
P10S WS supports AMD® Quad-GPU CrossFireXTM Technology via dual x16 slots up to x16 link. And quad flexible x16 slots can extend add-on card, such as graphic cards, RAID cards, LAN cards and Profession VGA cards, which is the perfect choice for operating conveniently.

Drive three independent displays simultaneously
P10S WS is equipped for total display flexibility, with HDMI, DisplayPort, DVI-D and VGA connectivity all built in to the board. With a compatible latest-generation Intel® process, you'll be able to connect and drive three independent displays simultaneously - great for multitasking, and even better for productivity.

Performance increasing and data redundancy with Dual M.2 by SATA mode
P10S WS dual M.2 sockets provide the flexibility to enable top-flight performance or data redundancy on SATA mode. In performance-maximizing RAID 0 configurations, P10S WS writes up to 40% faster than a single-drive M.2 setup and an astonishing 84% quicker for read operations. Or, for total reassurance, pair your M.2 devices into a RAID 1 configuration for instant data redundancy.

Platinum-Grade Power Efficiency
P10S WS is engineered with hand-chosen components to reach platinum-grade power efficiency - that reduces temperatures and switching loss from CPU. The energy-efficient, technologies include:
1.Ultra-durable 12K solid capacitors
2.Beat Thermal Choke III
3.ASUS Digi+ Voltage-Regulator Module (VRM)

Built-in Dual Intel I210 Server-Class Gigabit LAN
For more reliable networking, the P10S WS features the latest server class built-in dual Intel® Gigabit LAN. This leads to lower CPU utilization and temperature, achieving outstanding performance as well as better support for diverse operating systems.

Intel® C236 Express Chipset
The Intel® C236 Express is the latest single-chipset design, supporting the new socket LGA1151 Intel® Core i7/i5/i3 6th generation processors and Intel® Xeon® E3-1200 v5 server processors. It improves performance by utilizing serial point-to-point links, allowing for increased bandwidth and stability. Additionally, the C236 comes with eight SATA 6Gb/s ports for faster data retrieval, doubling the bandwidth of current bus systems. It also supports Intel's iGPU integrated graphics.

Main specifications:

### Design
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|---|---|
| Motherboard form factor: | ATX |
| Component for: | PC |

### Processor
| | |
|---|---|
| Processor manufacturer: | Intel |
| Processor socket: | LGA 1151 (Socket H4) |
| Number of processors supported: | 1 |

### Memory
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|---|---|
| Supported memory types: | DDR4-SDRAM |
| Supported memory clock speeds: | 2133 MHz |
| Number of DIMM slots: | 4 |
| Maximum internal memory: | 64 GB |
| Supported DIMM module capacities: | 1GB,2GB,4GB,8GB,16GB |
| Non-ECC: | Y |
| Memory channels: | Quad |

### Storage controllers
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|---|---|
| Hard drive interface: | Serial ATA |
| RAID levels: | 0,1,5,10 |
| RAID support: | Y |

### Internal I/O
| | |
|---|---|
| USB 2.0 connectors: | 3 |
| Number of chassis fan connectors: | 1 |
| TPM connector: | Y |
| Number of SATA III connectors: | 8 |
| EPS power connector (8-pin): | Y |
| CPU fan connector: | Y |
| Clear CMOS button: | Y |
| ATX Power connector (24-pin): | Y |
| USB 3.0 (3.1 Gen 1) connectors: | 3 |

### Back panel I/O ports
| | |
|---|---|
| USB 2.0 ports quantity: | 4 |
| VGA (D-Sub) ports quantity: | 1 |
| Ethernet LAN (RJ-45) ports: | 2 |
| USB 3.0 (3.1 Gen 1) Type-C ports quantity: | 1 |
| USB 3.1 (3.1 Gen 2) Type-A ports quantity: | 1 |
| Headphone outputs: | 1 |
| Microphone in: | Y |
| DVI-D ports quantity: | 1 |
| COM ports quantity: | 1 |

### Performance
| | |
|---|---|
| Motherboard chipset: | Intel C236 |
| Audio output channels: | 8.1 channels |
| Trusted Platform Module (TPM): | Y |

### Processor special features
| | |
|---|---|
| Intel® Clear Video HD Technology (Intel® CVT HD): | Y |

### Expansion slots
| | |
|---|---|
| PCI Express x16 (Gen 3.x) slots: | 4 |

### Networking
| | |
|---|---|
| Ethernet LAN: | Y |
| Wi-Fi: | N |
| Ethernet interface type: | 10 Gigabit Ethernet,Gigabit Ethernet |

| | |
|---|---|
| LAN controller: | Intel I210 |

**Weight & dimensions**
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|---|---|
| Width: | 305 mm |
| Depth: | 244 mm |

**Packaging content**
| | |
|---|---|
| User guide: | Y |

**BIOS**
| | |
|---|---|
| BIOS type: | EFI AMI |
| BIOS memory size: | 16 MB |
| ACPI version: | 5.0a |