

P9X79 WS Specs	
CPU	Intel® Socket 2011 for 2nd Generation Core™ i7 Processors
	Intel® Xeon® series processors
	Supports Intel® Turbo Boost Technology 2.0
	* Refer to www.asus.com for CPU support list
Chipset	Intel® X79 Express Chipset
Memory	8 x DIMM, Max. 64GB, DDR3 2400(O.C.)/2133(O.C.)/1866 /1600/1333/1066 MHz, ECC, Non-ECC, un-buffered Memory
	Quad channel memory architecture
	Supports Intel® Extreme Memory Profile (XMP)
	* Hyper DIMM support is subject to the physical characteristics of individual CPUs. **Refer to www.asus.com for the memory QVL (Qualified Vendors Lists).
Expansion Slots	4 x PCIe 3.0 x16 slots (blue and black dual@x16/x16; Quad@x8/x8/x8/x8) 2 x PCIe 3.0 x16 slot (White@x4 speed)
	* This motherboard is ready to support PCIe 3.0 SPEC. Functions will be available when using PCIe 3.0-compliant devices. Please refer to www.asus.com for updated details.
Multi-GPU support	Supports NVIDIA® 4-Way SLI™ Technology
	Supports AMD® Quad-GPU CrossFireX™ Technology
Storage	Intel® X79 Express Chipset: - 2 x SATA 6Gb/s ports with RAID 0,1,5 and 10 support - 4 x SATA 3Gb/s ports with RAID 0,1,5 and 10 support
	Marvell® 9128 SATA controllers: - 2 x SATA 6Gb/s ports with RAID 0.1.and 10 support
LAN	1*Intel® 82579V Gigabit LAN (PHY) 1*Intel® 82574L Gigabit LAN controller
Audio	Realtek® ALC 898 8-channel High Definition Audio CODEC
	- Supports 192kHz/ 24bit BD Lossless Sound
	- DTS Surround Sensation UltraPC II
	- Supports Jack-Detection, Multi-Streaming, and Front Panel Jack-Retasking - Optical S/PDIF Out port at back I/O
USB	ASMedia USB 3.0 controllers - 2 x USB 3.0/2.0 ports at mid-board for front panel support,blue - 2 x USB 3.0/2.0 ports at back panel
	Intel®X79 Express Chipset - 13 x USB 2.0/1.1 ports (5 ports at mid-board ,black+white, 8 ports at back panel)

ASUS Unique features	ASUS Digital Power Design
	CPU Power
	- Industry leading Digital 8+2 Phase Power Design
	- CPU Power Utility
	DRAM Power
	- Industry leading Digital 2+2 Phase Power Design
	- DRAM Power Utility
	ASUS TPU
	- Auto Tuning, TurboV
	- TPU Switch
	ASUS EPU
	- EPU Utility
	- EPU Switch
	ASUS Exclusive Features
	- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
	- ASUS SSD Caching
	- USB 3.0 Boost
	- Front Panel USB 3.0 Support
	- MemOK!
	- AI Suite II
	- AI Charger
	ASUS Quiet Thermal Solution
	- ASUS Fanless Design: Heat pipe solution
	- ASUS Fan Xpert+
	ASUS Q-Design
	- ASUS Q-Code
	- ASUS Q-Shield
- ASUS Q-Slot	
- ASUS Q-DIMM	
- ASUS Q-Connector	
ASUS EZ DIY	
- USB BIOS Flashback	
- ASUS O.C. Profile	
- ASUS CrashFree BIOS 3	
- ASUS EZ Flash 2	
- ASUS MyLogo 2	
- Percision Tweaker 2	
- Multi-language BIOS	
Workstation Unique Features	
- 6 PCIe x 16 slots	
- Quick Gate:1 vertical USB 2.0 on board	
- ASUS SASsaby series Cards support	
- ASUS WS Diag. LED	
- WS 3-color LED	
Back Panel I/O Ports	
2 x USB 3.0/2.0 ports (blue)	
8 x USB 2.0/1.1 ports (white port can be switched to USB BIOS Flashback)	
1 x USB BIOS Flashback switch	
1 x PS/2 KB port	
1 x PS/2 MS port	
1 x IEEE1394a	
2 x LAN (RJ45) ports (2 x Intel® LAN)	
1 x Optical S/PDIF Out port	
8-channel Audio I/O	

Internal I/O connectors	1 x USB 3.0/2.0 connector support additional 2 USB ports (19-pin)
	2 x USB 2.0/1/1 connectors support additional 4 USB ports
	1 x USB 2.0/1.1 type A vertical ports
	4 x SATA 6Gb/s connectors
	4 x SATA 3Gb/s connectors
	1 x CPU Fan connector (4-pin)
	1 x CPU Opt Fan connectors (4-pin)
	4 x Chassis Fan connectors (4-pin)
	1 x Front panel audio connector(AAFP)
	1 x S/PDIF Out header
	1 x Clear CMOS button
	1 x 24-pin EATX Power connector
	1 x 8-pin EATX 12V Power connector
	1 x 4-pin EZ_PLUG Power connector(s)
	1 x System Panel (Q-Connector)
	1 x MemOK! Button
	1 x EPU switch
	1 x TPU switch
	1 x PWR button
1 x Reset button	
BIOS Features	64 Mb Flash ROM, UEFI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.6, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3
Manageability	WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE
Accessories	4 x Serial ATA 6Gb/s cables
	2 x Serial ATA 3Gb/s cables
	1 x ASUS 4-Way SLI bridge connector
	1 x ASUS 3-Way SLI bridge connector
	1 x ASUS SLI bridge connector
	2 in 1 Q-connector
	I/O Shield
User's manual	
Support DVD	Drivers
	ASUS Utilities
	ASUS Update
	Anti-virus software (OEM version)
Form Factor	CEB Form Factor, 12"x 10.5"