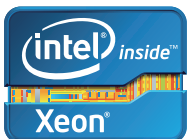


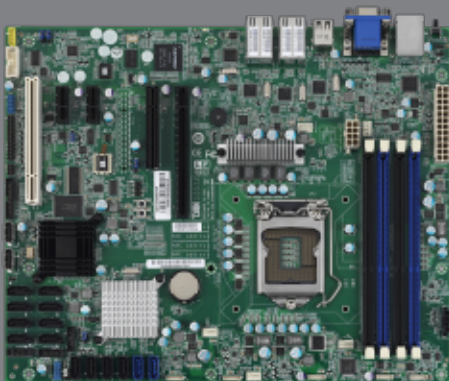
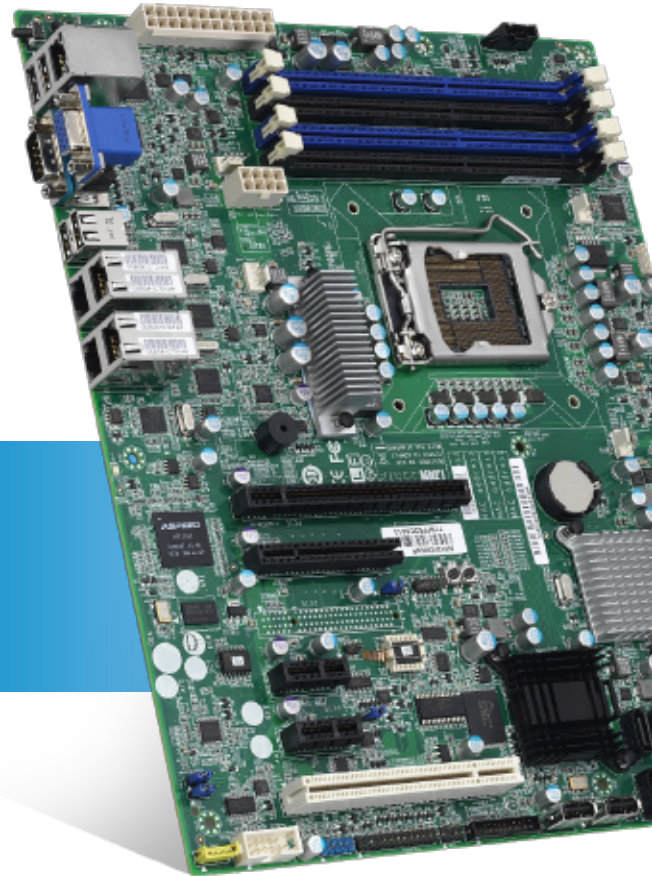
SINGLE-SOCKET ATX SERVER / WORKSTATION PLATFORM

S5512

S5512G2NR-LE / S5512GM2NR
S5512WGM2NR / S5512GM4NR



DDR3



■ Intel® C204 Chipset

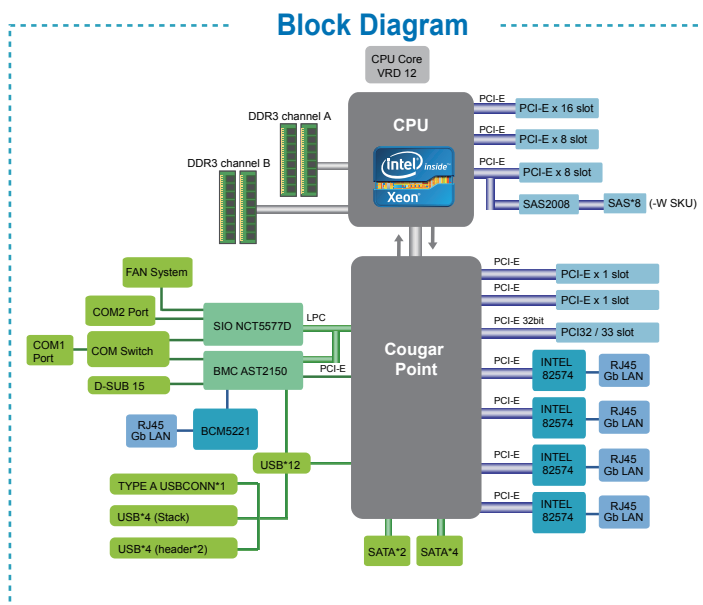
High-end single server / workstation storage and virtualization

- Single LGA1155 socket supports (1) Intel® Xeon® processor E3-1200 i3-2100 (32nm / 22nm) series processors
 - Intel® C204 PCH / C202 PCH
 - (4) 240-pin DDR3 DIMM slots support up to 32GB U-DDR3 1600/1333/1066 MHz w/ ECC memory
 - (2) PCI-E 2.0 x 1 slot (x1 link)
 - (1) PCI-E 2.0 x 8 slot (x 4 link) (w/o-LE and -W SKU)
 - (1) PCI-E 2.0/3.0 x 8 slot (x8 link)
 - (1) PCI-E 2.0/3.0 x 16 slot (x8 link or x16 link; default x8 link) PCI-E 3.0 only for Ivy Bridge CPU
 - (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
 - (2) SATA-III connectors
 - (4) GbE LAN + (1) 10/100 MB IPMI port
 - AST2150 BMC w/ IPMI and iKVM support
 - ATX (12" x 9.6") form factor
- * Use Intel® IVY Bridge CPU to Support PCI-E Gen.3



S5512G2NR-LE / S5512GM2NR / S5512WGM2NR / S5512GM4NR

Processor	Supported CPU Series		Intel Xeon E3-1200, i3-2100 (32nm/ 22nm) series processors
	Socket Type / Q'ty		LGA1155 / (1)
	Thermal Design Power (TDP) wattage		95W/ 80W/ 65W/ 45W/ 20W
Chipset	PCH / PCI-E Switch		Intel® C204 / C202(-LE SKU)
	Super I/O		NCT 5577D
Memory	Supported DIMM Qty		(4) DIMM sockets
	DIMM Type / Speed		DDR3 1066/ 1333/ 1600 UDIMM
	Capacity		Up to 32GB ECC UDIMM
	Memory channel		2 Channels
	Memory voltage		1.5V
Expansion Slots	PCI-E		(2) PCI-E 2.0 x 1 slot (x1 link) (1) PCI-E 2.0 x 8 slot (x 4 link) (w/o-LE and -W SKU) (1) PCI-E 2.0/3.0 x 8 slot (x8 link) (1) PCI-E 2.0/3.0 x 16 slot (x8 link or x16 link; default x8 link) PCI-E 3.0 only for Ivy Bridge CPU
	PCI		(1) PCI slot
LAN	Port Q'ty		Max (5)
	Controller		Intel® 82574L + BCM5221
Storage	SAS (opt.)	Connector	(8) Single port
		Controller	LSI SAS2008 (-W SKUs only)
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
	SATA	Connector	(6) Single-port
		Controller	Intel® Cougar point C204
		Speed	2 for 6.0 Gb/s(blue color), 4 for 3.0 Gb/s(black color) -LE SKU 6 for 3.0 Gb/s
RAID		RAID 0/1/10/5 (Intel® RST)	
Graphic	Connector type		D-Sub 15-pin
	Resolution		1600x1200@60Hz
	Chipset		Aspeed AST2150
Input /Output	USB		(10) USB2.0 ports (4 at rear, 4 via cable, 2 type A onboard)
	COM		(2) ports (1 at rear, 1 via cable)
	SAS		(8) single SAS port
	VGA		(1) D-Sub 15-pin VGA port
	RJ-45		Max (5) GbE ports
	Power		SSI 24-pin + 8-pin power connectors
	Front Panel		(1) 2x12 pin SSI front panel header
	SATA		(6) single port SATA connectors
System Monitoring	Chipset		W83795G
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Fan		Total (5) 4-pin headers
	Temperature		Monitors temperature for CPU & system environment
	Others		Chassis intrusion detection Watchdog timer support



Server Management	Onboard Chipset	Onboard Aspeed AST2150
	AST2150 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub
	AST2150 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 8MB
	Feature	Plug and Play (PnP)/ PCI 2.3 WfM2.0 / SMBIOS2.3 / PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options
Form Factor	Form Factor	ATX
	Board Dimension	12"x9.6" (304x244mm)
Operating System	OS supported list	Please refer to our OS supported list.
Regulation	FCC (DoC)	Class B
	CE (DoC)	Yes
Operating Environment	Operating Temp.	10° C ~ 35° C (41° F ~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	Humidity	Operating Relative Humidity: 15% to 90% (non-condensing) Non-operating Relative Humidity: 10% to 95% (non-condensing)
RoHS	RoHS 6/6 Compliant	Yes
ErP/EuP	Version 5.0	Support

(Specifications are subject to change without notice. Items pictured may only be representative.)

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