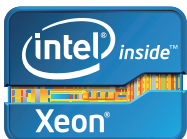


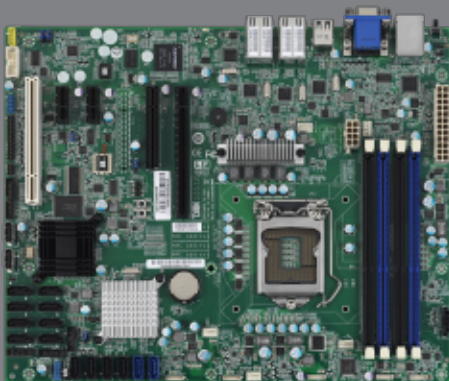
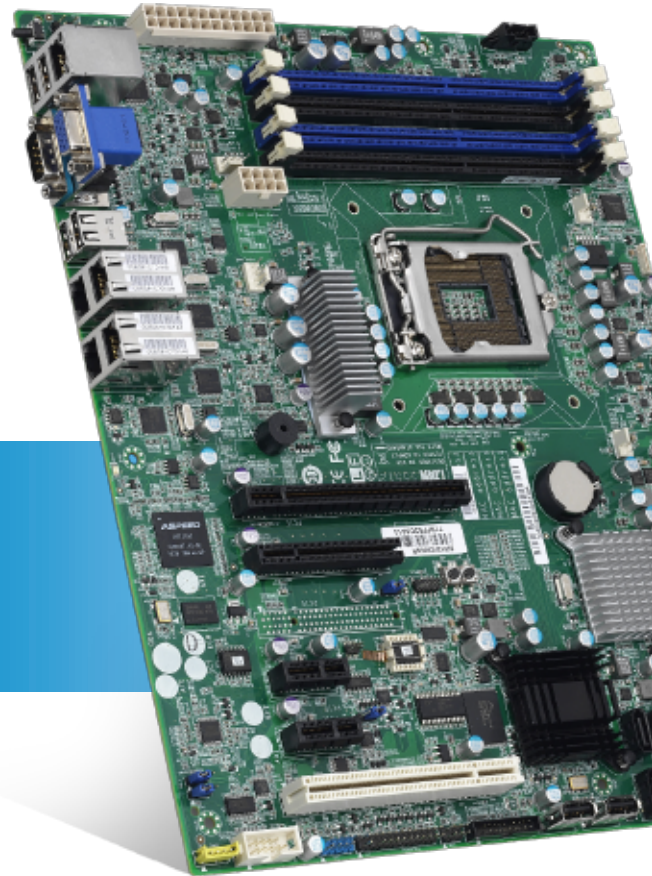
SINGLE-SOCKET ATX SERVER / WORKSTATION PLATFORM

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
 - (1) PCI-E Gen.2/ Gen.3 x16 slot (default w/ x8 link)
 - (1) PCI-E Gen.2/ Gen.3 x8 slot (w/ x8 link)
 - (1) PCI-E Gen.2/ Gen.3 x8 slot (w/ x4 link)
 - (2) PCI-E Gen.2 x1 slots
 - (1) PCI slot
 - (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

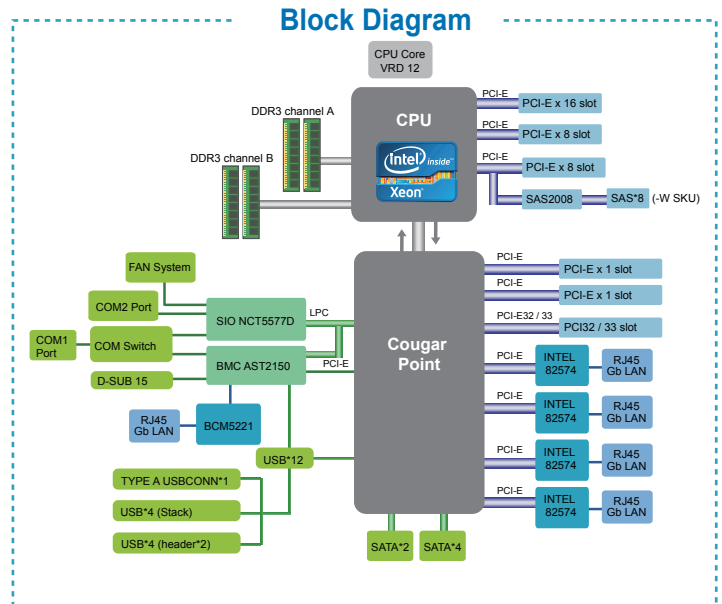


S5512

S5512G2NR-LE / S5512GM2NR / S5512WGM2NR / S5512GM4NR

TYAN Specifications

Processor	Supported CPU Series	Intel® Sandy bridge CPU, Intel® Xeon® processors E3-1200 (32nm/ 22nm) i3-2100 series
	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
Expansion Slots	PCI-E	(1) PCI-E Gen.2 x16 slot (w/ x8 link) (1) PCI-E Gen.2 x8 slot (w/ x8 link) (1) PCI-E Gen.2 x8 slot (x4 link , but SAS SKU W/O) (2) PCI-E Gen.2 x1 slot2 * Use Intel® IVY Bridge CPU to Support PCI-E Gen.3
	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
	SATA	RAID RAID 0/1/1E/10 (LSI Integrated RAID)
		Connector (6) Single-port
		Controller Intel® Cougar point C204
Graphic	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
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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