

## SINGLE-SOCKET SERVER PLATFORM

# S5501

S5501GM3NR (BTO) /  
S5501WGM3NR (BTO)



DDR3



■ Intel® 3420 Chipset

1U-optimized, entry single-socket server platform for workgroups & SMB

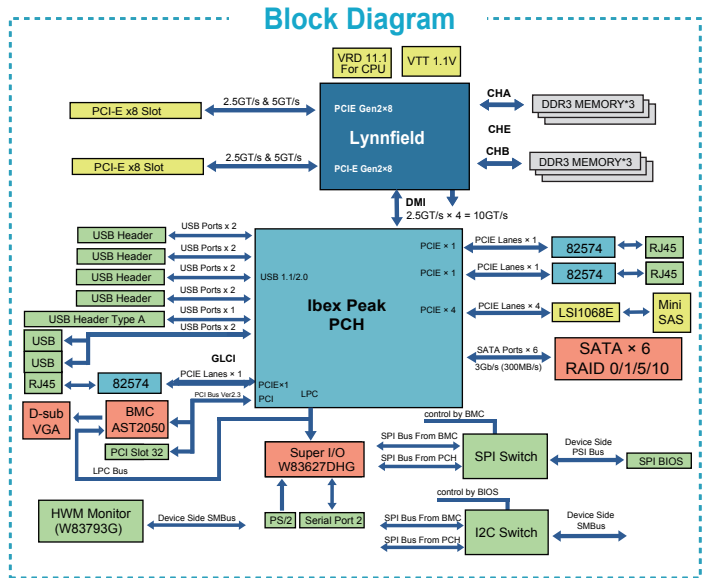
- Single LGA1156 socket supports (1) Intel® Xeon® processor 3400 series
- Intel® 3420 PCH
- (6) 240-pin DDR3 DIMM slots support up to 32GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (2) PCI-E Gen.2 x8 slots
- (1) PCI 32/33MHz slot
- (6) SATA-II connectors w/ RAID 0, 1, 10, 5 support (Intel Matrix RAID)
- (8) SAS ports by (2) mini-SAS connectors w/ RAID 0, 1, 1E support (S5501WGM3NR)
- (3) GbE LAN
- Onboard BMC w/ IPMI and iKVM support
- EATX (12" x 13") form factor



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Processor	Supported CPU Series	Intel® Xeon® processors 3400 series	
	Socket Type / Q'ty	LGA1156 / (1)	
	Thermal Design Power (TDP) wattage	95W/ 73W/ 45W	
Chipset	PCH	Intel® 3420	
	Super I/O	Winbond W83627DHG-P	
Memory	Supported DIMM Qty	(6) DIMM sockets	
	DIMM Type / Speed	DDR3 800/1066/1333 RDIMM/UDIMM	
	Capacity	Up to 32GB RDIMM / 16GB UDIMM	
	Memory channel	2 Channels	
	Memory voltage	1.5V	
Expansion Slots	PCI-E	(2) PCI-E Gen.2 x8 slots	
	Recommended TYAN® Riser Card	M2091, PCI-E x16 1U riser card (left) M2091-R, PCI-E x16 1U riser card (Right)	
	PCI	(1) PCI 32/33MHz slot	
LAN	Port Q'ty	(3)	
	Controller	Intel® 82574L	
Storage	SAS (opt.)	Connector	(2) Mini-SAS connectors (support 8 ports)
		Controller	LSI SAS1068E (S5501WGM3NR only)
		Speed	3.0 Gb/s
	SATA	RAID	RAID 0/1/1E (LSI Integrated RAID)
		Connector	(6)
		Controller	Intel® 3420
Graphic	Resolution	1600x1200@60Hz	
	Chipset	Aspeed AST2050	
TPM	Chipset	NA	
	Version	NA	
Input /Output	USB	(7) USB2.0 ports (2 at rear, 4 via cable, 1 type A onboard)	
	COM	(2) ports (1 at rear, 1 via cable)	
	PS/2	(1) PS/2 connector	
	SAS (opt.)	(2) Mini-SAS (4-in-1) connectors (S5501WGM3NR only)	
	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	(3) GbE ports	
	Power	SSI 24-pin + 8-pin + 8-pin power connectors / EPS12V	
	Front Panel	(1) 2x12 pin SSI front panel header	
	SATA	(6) SATA-II connectors	
	System Monitoring	Chipset	Winbond W83793G
		Voltage	Monitors voltage for CPU, memory, chipset & power supply
Fan		Total (6) 4-pin headers Total (5) 8-pin headers	
Temperature		Monitors temperature for CPU & system environment	
Others		Chassis intrusion detection Watchdog timer support	
Server Management	Onboard Chipset	Onboard Aspeed AST2050	
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub	
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces	



BIOS	Brand / ROM size	AMI / 4MB
	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
Form Factor	Form Factor	EATX
	Board Dimension	12"x13" (305x330mm)
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)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Compliant	Yes

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

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