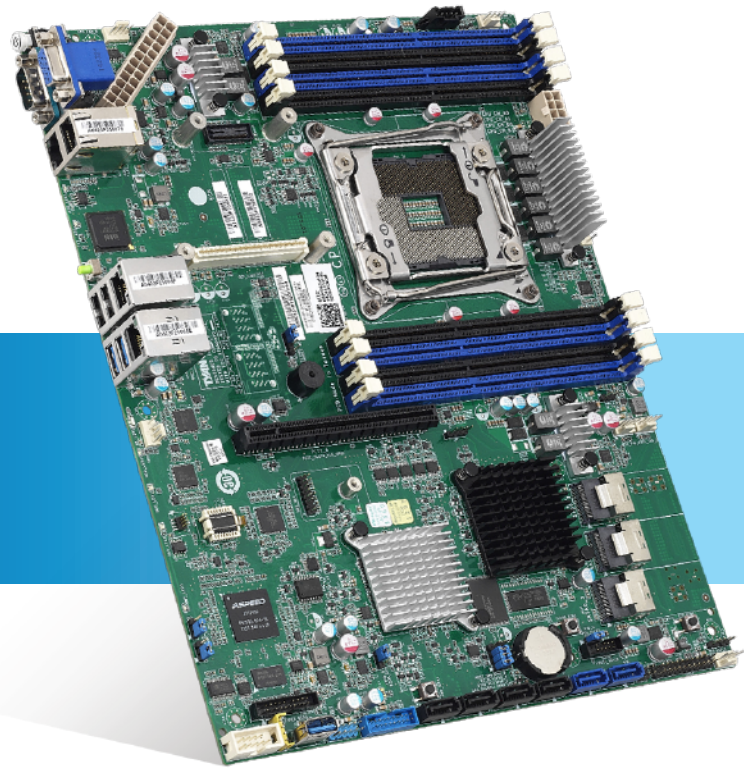
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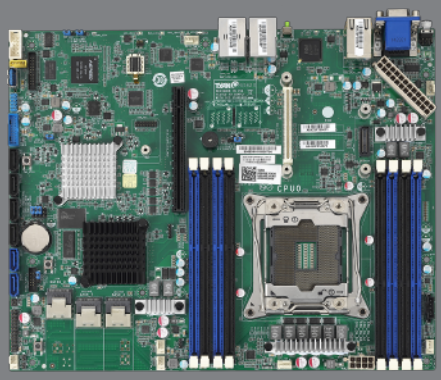
SINGLE-SOCKET SERVER PLATFORM



S5620

S5620WGM4NR / S5620WGM2NR
S5620GM2NR





■ Intel® C612 Chipset

Single-socket server implementation for CSP deployment

- Single LGA2011 socket supports (1) Intel® Xeon® processor E5-2600/E5-1600 v3 series processors
- Intel® C612
- (8) 288-pin DDR4 DIMM slots RDIMM 2133/1866/1600MHz; LRDIMM/LRDIMM 3DS 2133/1600MHz
- Support up to 256GB RDIMM/512GB LRDIMM/1,024GB LDRIMM 3DS (*Follow latest Intel DDR4 Memory POR)
- (1) PCI-E Gen3 x16 slot
- (1) OCP Mezz. slot
- (10) SATA ports by (6) SATA-III and (1) mini-SAS connectors running at 6.0 Gb/s
- (8) SATA/SAS ports by (2) mini-SAS connectors running at 6.0Gb/s (-W SKU)
- (4) GbE RJ45 (via Intel® I350-AM2/ I210, 1port shared with IPMI) (2) GbE RJ45 (via Intel® I210, 1port shared with IPMI) (-2NR SKU)
- ATX (12" x 9.6", 305mm x 243.8mm)

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

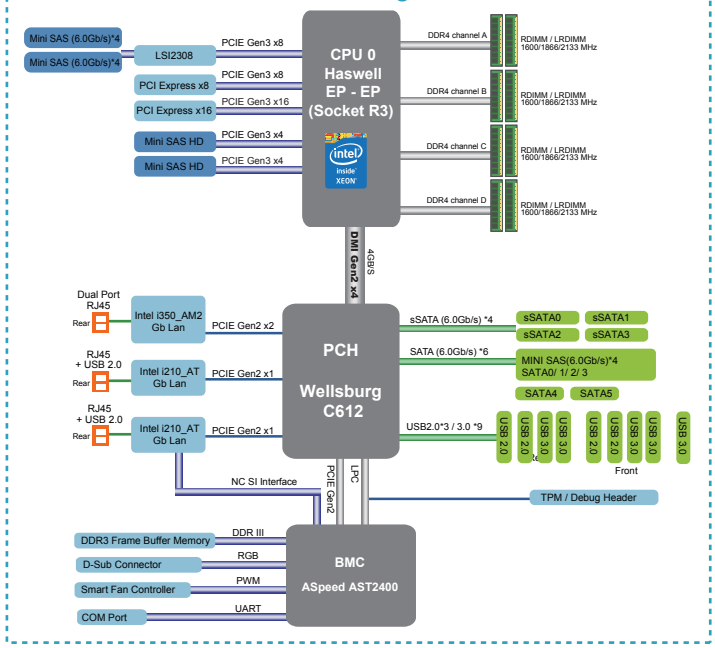
S5620

S5620WGM4NR / S5620WGM2NR / S5620GM2NR

TYAN Specifications

Processor	Supported CPU Series		Intel Xeon Processor E5-2600/E5-1600 v3 series processors
	Socket Type / Q'ty		LGA2011 / (1)
	Thermal Design Power (TDP)wattage		Max up to 160W
Chipset	Chipset / PCH		Intel C612
	Super I/O		-
Memory	Supported DIMM Qty		(8) DIMM slots
	DIMM Type / Speed		RDIMM DDR4 2133/1866/1600 / LRDIMM DDR4 2133/1600 / LRDIMM 3DS DDR4 2133/1600
	Capacity		Up to 256GB RDIMM/ 512GB LRDIMM/ 1,024GB LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
	Memory channel		4 Channels per CPU
	Memory voltage		1.2V
Expansion Slots	PCI-E		(1) PCI-E Gen3 x16 slot (1) OCP Mezz. slot
	Recommended TYAN® OCP Card		M7062-B811-1T, PCI-E Gen3 x8, Broadcom 10GbE Mezz Card / M7062-B810-2T, PCI-E Gen3 x8, Broadcom 10GbE Mezz Card / M7076-X540-2T, PCI-E Gen3 x8, Intel 10GbE Mezz Card / M7076-I350, PCI-E Gen3 x8, Intel (2)GbE Mezz Card / M7062-I599-1T, PCI-E Gen3 x8, Intel 10GbE Mezz Card / M7062-I599-2T, PCI-E Gen3 x8, Intel 10GbE Mezz Card
	PCI		-
LAN	Port Q'ty		Total (4) GbE ports, (1) port shared with IPMI (-4NR SKU) Total (2) GbE ports, (1) port shared with IPMI (-2NR SKU)
	Controller		Intel I350-AM2 / Intel I210 (-4NR SKU) Intel I210 (-2NR SKU)
	Connector type		RJ45
Storage	SAS	Connector	(2) Mini-SAS connectors (totally support 8 ports) (-W SKU)
		Controller	LSI SAS2308
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
	SATA	Connector	(6) SATA
		Controller	Intel C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST)
	SSATA	Connector	(1) Mini-SAS (4-ports)
		Controller	Intel C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST) only for 4 SATA devices
Graphic	Connector type		D-Sub 15-pin
	Chipset		Aspeed AST2400
	Resolution		Up to 1920x1200
Audio	Chipset		-
	Version		-
Input /Output	USB		(4) USB3.0 ports (2 at rear, 2 via cable) (5) USB3.0 ports (2 at rear, 2 via cable, Type-A)
	COM		(1) port (at rear) (1) header
	Audio		-
	VGA		(1) D-Sub 15-pin VGA port
	DVI		-
	Display Port		-
	Power		SSI 24-pin + 8-pin + 8-pin power connectors
	RJ-45		Total (4) GbE ports, (1) shared with IPMI (-4NR SKU) Total (2) GbE ports, (1) shared with IPMI (-2NR SKU)

Block Diagram



Input /Output	SAS	(2) Mini-SAS (4-in-1) connectors
	Front Panel	(1) 2x12-pin SSI front panel header
	SATA	(6) SATA-III + (4) SATA ports by (1) mini-SAS connector
System Monitoring	Chipset	Onboard Aspeed AST2400
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
	LED	Over temperature warning indicator / Fan & PSU fail LED indicator
	Others	Watchdog timer support
Server Management	Onboard Chipset	Onboard Aspeed AST2400 (-M SKU)
	AST2400 IPMI Featur	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2400 iKVM Feature	24-bit high quality video compression / 10/100 Mb/s MAC interface
BIOS	Brand / ROM size	AMI / 16MB
	Feature	User-configurable H/W monitoring / SMBIOS 2.7/PnP/Wake on LAN / PXE boot support / ACPI 3.0/ACPI sleeping states S1,S4,S5
Form Factor	Form Factor	ATX
	Board Dimension	12"x9.6" (305x243.8mm)
Operating System	OS supported list	Please refer to our Intel OS supported list.
Regulation	FCC (DoC)	Class A
	CE (DoC)	Yes
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C Non-operating Relative Humidity: 10% to 95% (non-condensing)
RoHS	RoHS 6/6 Complaint	Yes

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