

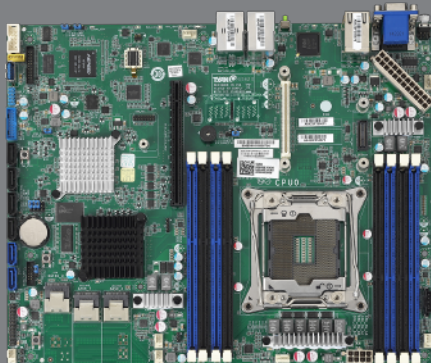
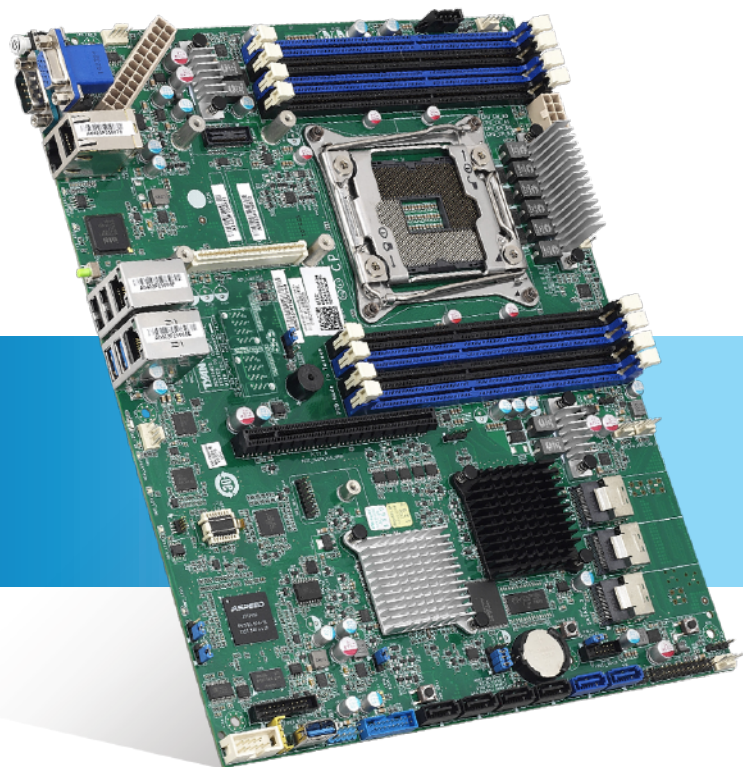
SINGLE-SOCKET SERVER PLATFORM

S5620

S5620WGM4NR / S5620WGM2NR
S5620GM2NR



DDR4



■ Intel® C612 Chipset

Single-socket server implementation for CSP deployment

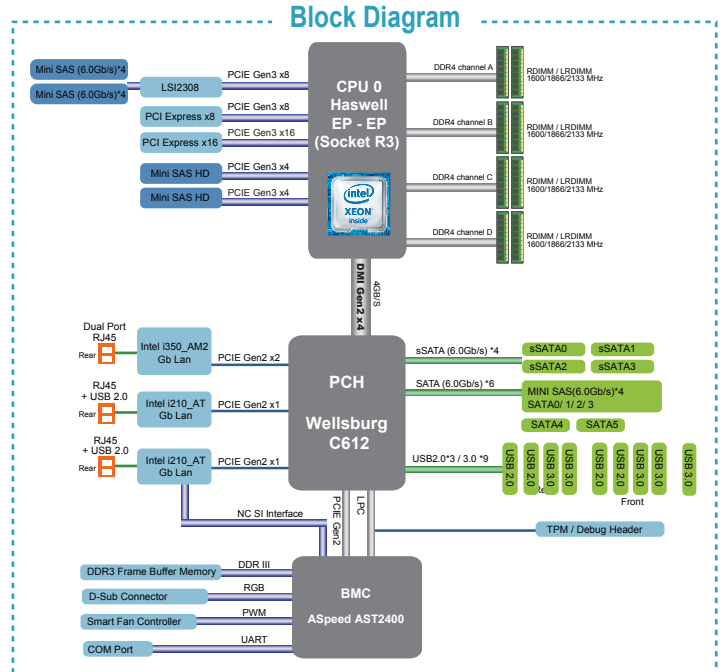
- Single LGA2011 socket supports (1) Intel® Xeon® processor E5-2600 v3/v4 / E5-1600 v3 series processors
- Intel® C612
- (4+4) DDR4 DIMM slots RDIMM 2400/2133/1600; LRDIMM/LRDIMM 3DS 2400/1866
 - * Up to 2400 speed support only w/E5-2600 v4
- Support up to 256GB RDIMM/512GB LRDIMM/1,024GB LDRIMM 3DS
 - * 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, 1 port shared with IPMI)
- (2) GbE RJ45 (via Intel® I210, 1 port shared with IPMI) (-2NR SKU)
- ATX (12" x 9.6", 305mm x 243.8mm)

S5620

S5620WGM4NR / S5620WGM2NR / S5620GM2NR

TYAN Specifications

Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600 v3/ v4 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 2400/2133/1600 / LRDIMM DDR4 2400/1866 / LRDIMM 3DS DDR4 2400/1866(*Up to 2400 speed support only w/E5-2600 v4)	
	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 slot for Mezz Card	
	Recommended TYAN® OCP Card	M7062-B811-1T, PCI-E Gen3 x8, Broadcom 10Gb 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 10Gb Mezz Card	
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 Intel® I350-AM2	
	Connector type	RJ45	
Storage	NVMe	Connector	(2) Internal mini-SAS HD connectors (SFF-8643) (-E SKU only)
		Controller	(2) Mini-SAS connectors (totally support 8 ports) (-W SKU)
	SAS	Connector	(2) Mini-SAS connectors (totally support 8 ports) (-W SKU)
		Controller	LSI SAS2308
		Speed	6.0 Gb/s
	SATA	RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
		Connector	(6) SATA
		Controller	Intel® C612
		Speed	6.0 Gb/s
	SSATA	RAID	RAID 0/1/10/5 (Intel RST)
Connector		(1) Mini-SAS (4-ports)	
Controller		Intel® C612	
Speed		6.0 Gb/s	
Graphic	RAID	RAID 0/1/10/5 (Intel RST) only for 4 SATA devices	
	Connector type	D-Sub 15-pin	
	Chipset	Aspeed AST2400	
	Resolution	Up to 1920x1200	
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	(2) ports (1 at rear, 1 via cable)	
	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	Total (2) GbE ports, (1) shared with IPMI	
	Power	SSI 24-pin + 8-pin + 8-pin power connectors	
	SAS	(2) Mini-SAS (4-in-1) connectors	
	Front Panel	(1) 2x12-pin SSI front panel header	
	NVMe	(2) Internal mini-SAS HD connectors (SFF-8643)	



Input /Output	SATA	(6) SATA-III + (4) SATA ports by (1) mini-SAS connector
	Chipset	Onboard Aspeed AST2400
System Monitoring	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
BIOS	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
Form Factor	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
Operating System	Form Factor	ATX
	Board Dimension	12"x9.6" (305x243.8mm)
Regulation	OS supported list	Please refer to our Intel OS supported list.
	FCC (DoC)	Class A
Operating Environment	CE (DoC)	Yes
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C Non-operating Relative Humidity: 10% to 95% (non-condensing)
	RoHS 6/6 Compliant	Yes

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

MiTAC Computing Technology Corp
TYAN Business Unit

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-2-2652-5888
Fax: +886-2-2652-5805

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

China
Shanghai Tel: +86-21-61431188 Ext 1366
China Tel: +86-010-62555015 Ext 8302