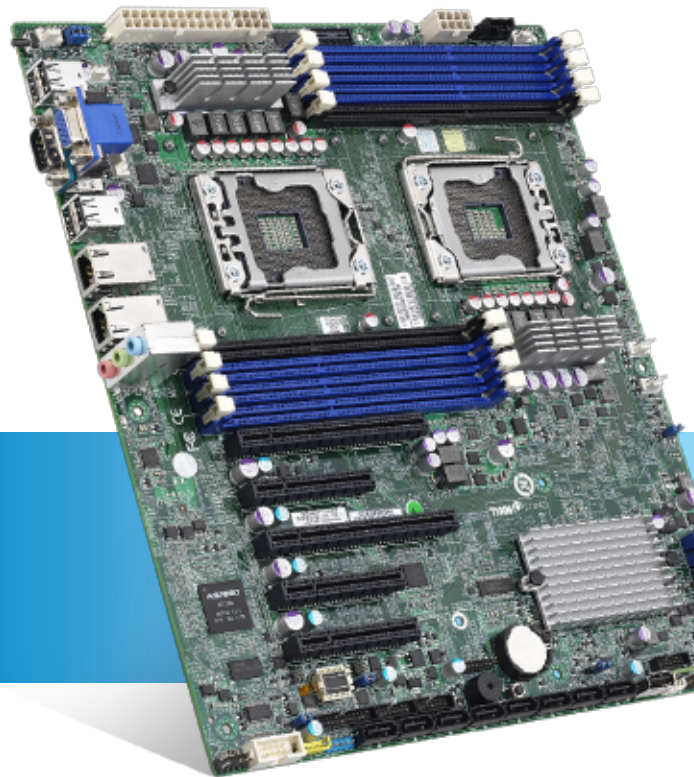
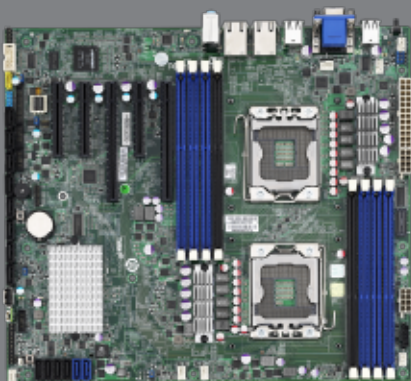


DUAL-SOCKET SERVER PLATFORM



S7042

S7042WAGM2NR/S7042AGM2NR
S7042GP2NR-LE-B/S7042G2NR-LE-B



■ Intel® C602 Chipset

Dual-socket server platform for General Server applications with (2) GbE and iKVM support

- Dual Intel® LGA1356 socket supports (2) Intel® Xeon® processor E5-2400 Series
- Intel® C602 PCH
- (4 + 4) 240-pin DDR3 DIMM slots
Supporting up to 288GB LRDIMM ECC 1333/1066
Supporting up to 144GB R-DIMM ECC 1600/1333/1066
Supporting up to 72GB U-DIMM ECC 1333/1066
- (2) PCI-E Gen3 x16 slots
(1) PCI-E Gen3 x8 slot
(1) PCI-E Gen3 x8 slot (w/ x4 link)
(1) PCI-E Gen2 x8 slot (w/ x4 link)
- (10) SATA ports or (8) SAS ports + (6) SATA ports (-W SKU)
- (2) GbE ports (via Intel® I210)
- (1) LINE_IN, LINE_OUT, MIC_IN connectors (S7042WAGM2NR/S7042AGM2NR SKU)
- (9) USB2.0 ports (4 at rear, 4 via cable, 1 type A onboard)
- SSI CEB form factor, 12"x10.5" (305x267mm)

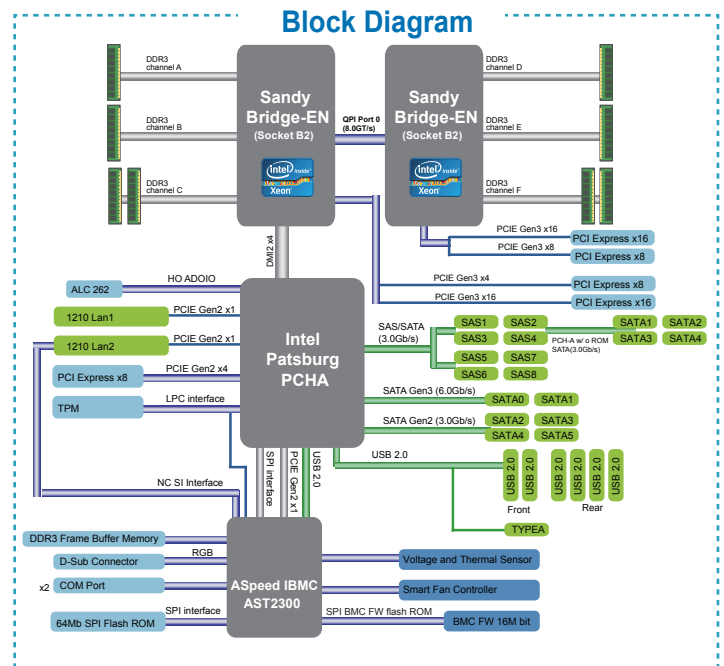


S7042

S7042WAGM2NR / S7042AGM2NR /
S7042GP2NR-LE-B / S7042G2NR-LE-B

TYAN Specifications

Processor	Supported CPU Series	Intel® Xeon® Processor E5-2400 Series	
	Socket Type / Q'ty	LGA1356 / (2)	
	Thermal Design Power (TDP) wattage	Max up to 95W	
Chipset	PCH	Intel® C602	
	Super I/O	-	
Memory	Supported DIMM Qty	(4)+(4) DIMM slots	
	DIMM Type / Speed	RDIMM ECC 1600/1333/1066 / UDIMM/LRDIMM ECC 1333/1066	
	Capacity	Up to 288GB LRDIMM / 144GB RDIMM / 72GB UDIMM	
	Memory channel	3 Channels per CPU	
	Memory voltage	1.35V/1.5V	
Expansion Slots	PCI-E	(2) PCI-E Gen3 x16 slots / (1) PCI-E x8 Gen3 slot / (1) PCI-E Gen3 x8 slot (w/ x4 link) / (1) PCI-E Gen2 x8 slot (w/ x4 link)	
	PCI	-	
LAN	Port Q'ty	(2) GbE ports (1 port shared with IPMI w/o -LE SKU)	
	Controller	Intel® I210	
Storage	SAS	Connector	(8) SAS (-W SKU)
		Controller	Intel® C602 with TRK-5 upgrade ROM module
		Speed	3.0 Gb/s
	SATA	RAID	RAID 0/1/10 (Intel Integrated RAID upgrade ROM 5)
		Connector	(6) SATA (-W SKU) or (10) SATA
		Speed	Intel® C602 (2) 6.0 Gb/s (blue color), (4) 3.0 Gb/s (black color) or (2) 6.0 Gb/s (blue color), (8) 3.0 Gb/s (black color)
RAID	RAID 0/1/10/5 (Intel RST)		
Graphic	Connector type	D-Sub 15-pin	
	Resolution	up to 1920 x 1200	
	Chipset	Aspeed AST2300 Aspeed AST1300(S7042G2NR-LE-B SKU)	
Audio (w/o -LE SKU)	Chipset	Realtek ALC262	
	Feature	HDA 2.0 spec. compliant	
Input /Output	USB	(9) USB2.0 ports (4 at rear, 4 via cable, 1 type A onboard)	
	COM	(1) port (rear)	
	Audio	LINE_IN, LINE_OUT, MIC_IN connectors	
	VGA	(1) D-Sub 15-pin VGA port	
	Power	SSI 24-pin + 8-pin + 8-pin power connectors / EPS12V	
	RJ-45	(2) GbE ports	
	Front Panel	(1) 2x12-pin SSI front panel header	
	SATA	(4) SATA-II and (2) SATA-III connectors (-W SKU) or (8) SATA-II and (2) SATA-III connectors	
System Monitoring	Chipset	Aspeed AST2300 Aspeed AST1300 (S7042G2NR-LE-B SKU)	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Fan	Total (7) 4-pin headers	
	Temperature	Monitors temperature for CPU & memory	
	LED	Fan fail LED indicator / Over temperature warning indicator / Fan & PSU fail LED indicator	
	Others	Watchdog timer support	



Server Management (w/o S7042G2NR-LE-B SKU)	Onboard Chipset	Onboard Aspeed AST2300
	AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2300 iKVM Feature	24-bit high quality video compression 10/100 Mb/s MAC interface
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
Form Factor	Form Factor	SSI CEB
	Board Dimension	12"x10.5" (305x267mm)
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
RoHS	RoHS 6/6 Compliant	Yes

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

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