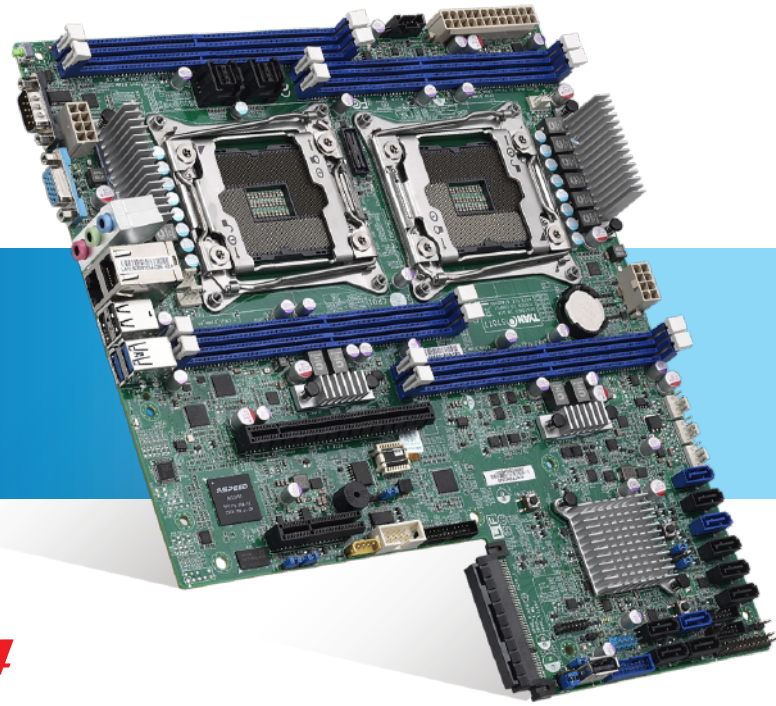
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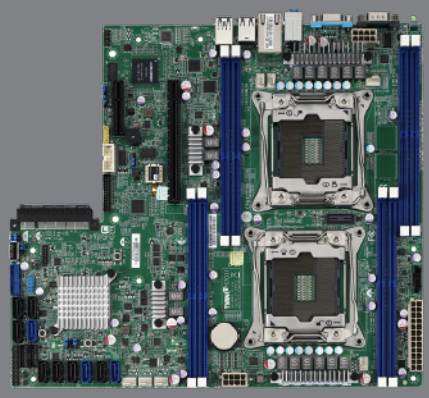
DUAL-SOCKET SERVER / WS PLATFORM



S7077

S7077GM2NR / S7070AG2NR





■ Intel® C612 Chipset

Cost-effective dual-socket Server/workstation implementation

- Dual LGA2011 socket supports (2) E5-2600 v3 series processors
- Intel® C612
- (4+4) 284-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 slots
- (1) PCI-E Gen3 x4 slots, (1) PCI-E Gen3 x8 Mezz slot
- (10) SATA-III running at 6.0 Gb/s w/ RAID 0, 1, 10, 5 support
- Realtek ALC262 audio CODEC (-A SKU)
- (2) GbE LAN (via Intel® I210)
- SSI CEB (12" x 10.5") form factor

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

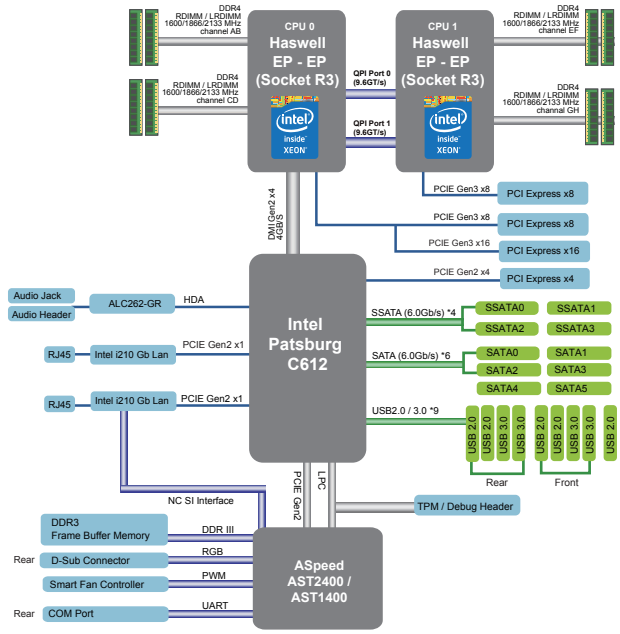
S7077

S7077GM2NR / S7070AG2NR

TYAN Specifications

Processor	Supported CPU Series		Intel® Xeon® Processor E5-2600 v3 series processors
	Socket Type / Q'ty		LGA2011 / (2)
	Thermal Design Power (TDP)wattage		Max up to 160W
Chipset	PCH / PCI-E Switch		Intel® C612
	Super I/O		-
Memory	Supported DIMM Qty		(4+4) DIMM sockets
	DIMM Type / Speed		DDR4 RDIMM 2133/1866/1600MHz DDR4 LRDIMM/LRDIMM 3DS 2133/1600MHz
	Capacity		Up to 256GB RDIMM/512GB LRDIMM/1,024GB LDRIMM 3DS (*Follow latest Intel DDR4 Memory POR)
	Memory channel		4 Channels
	Memory voltage		1.2V
Expansion Slots	PCI-E		(1) PCI-E Gen3 x16 slots, (1) PCI-E Gen3 x4 slots (1) PCI-E Gen3 x8 Mezz slot
	Recommended TYAN® Riser Card		-
	PCI		-
LAN	Port Q'ty		(2) GbE ports (1 port shared with IPMI)
	Controller		Intel® I210
Storage	SATA	Connector	(10) SATA-III
		Controller	Intel® C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST)
Graphic	Connector type		D-Sub 15-pin
	Resolution		-
	Chipset		Aspeed AST2400 (-M SKU) Aspeed AST1400
Audio	Chipset		Realtek ALC262 audio CODEC (-A SKU)
Input / Output	USB		(4) USB3.0 ports (2 at rear, 2 via cable) / (5) USB2.0 ports (1 stack-up ports, 1 type A header, 2 via cable)
	COM		(2) ports (1 at rear, 1 via cable)
	Audio		LINE_IN, LINE_OUT, MIC_IN connectors(-A SKU)
	VGA		(1) D-Sub 15-pin VGA port
	DVI		-
	Power		SSI 24-pin + 8-pin + 8-pin power connectors
	RJ-45		(2) GbE ports (1 port shared with IPMI)
	PSMI		(1) 1x5-pin header
	Front Panel		(1) 2x12-pin SSI front panel header
	SATA		(10) SATA-III
System Monitoring	Chipset		Aspeed AST2400 (-M SKU) Aspeed AST1400
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Fan		Total (7) 4-pin headers/ (1) 2 x 10-pin headers
	Temperature		Monitors temperature for CPU & memory environment
	LED		Over temperature warning indicator / Fan & PSU fail LED indicator
	Others		Watchdog timer support

Block Diagram



Server Management	Onboard Chipset	Onboard Aspeed AST2400 (-M SKU)
	AST2400 IPMI Feature	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,S3,S4,S5
Form Factor	Form Factor	SSI EEB
	Board Dimension	12"x10.5" (304.8x266.7mm)
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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