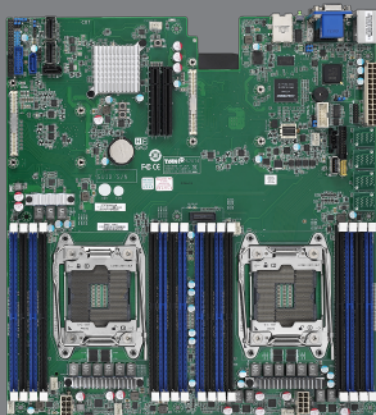
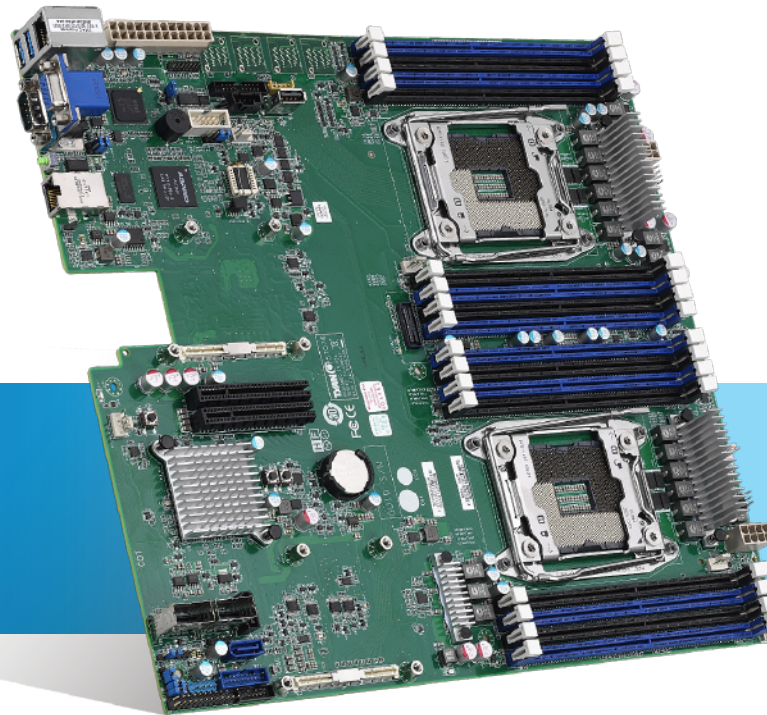


## DUAL-SOCKET SERVER PLATFORM FOR HPC

# S7076

S7076GM2NR / S7076GM2NRE



■ Intel® C612 Chipset

### Rack-optimized dual-socket server implmentation for CSP deployment

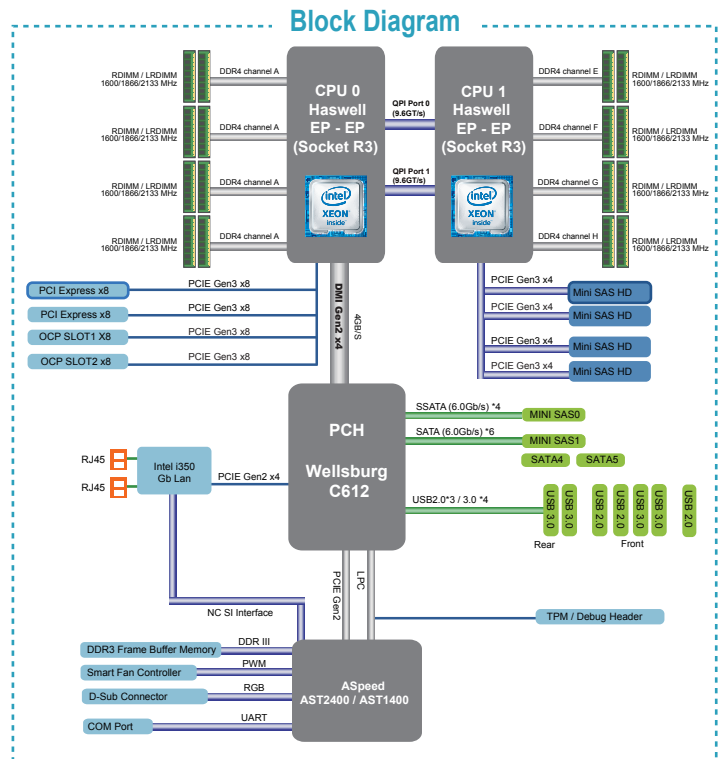
- Dual LGA2011 socket supports (2) E5-2600 v3/v4 series processors
- Intel® C612
- (8+8) 284-pin DDR4 DIMM slots RDIMM 2400/2133/1600; LRDIMM/LRDIMM 3DS 2400/1866
  - \* Up to 2400 speed support only w/E5-2600 v4
- Support up to 512GB RDIMM/1,024GB LRDIMM/2,048GB LDRIMM 3DS
  - \*Intel Memory POR
- (2) PCI-E Gen3 x8 slots
- (1) OCP slot for Mezz Card/ (1) Proprietary slot for SAS Mezz Card
- (2) SATA-III + (8) SATA/SAS ports by (2) mini-SAS connectors running at 6.0Gb/s w/ RAID 0, 1, 10, 5 support
  - (2) SATA-III + (4) SATA/SAS ports by (1) mini-SAS connectors running at 6.0Gb/s w/ RAID 0, 1, 10, 5 and (4) NVMe support (-E SKU)
- (2) GbE LAN (via Intel® I350-AM2)
- EATX (12" x 13") form factor



# S7076

S7076GM2NR / S7076GM2NRE

Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600 v3/v4 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	(8+8) DIMM sockets	
	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 512GB RDIMM / 1,024GB LRDIMM / 2,048GB LDRIMM 3DS (*Intel Memory POR)	
	Memory channel	4 Channels per CPU	
	Memory voltage	1.2V	
Expansion Slots	PCI-E	(2) PCI-E Gen3 x8 slots (1) OCP slot for Mezz Card/ (1) Proprietary slot for SAS Mezz Card	
	Recommended TYAN® Riser Card	M2091, PCI-E x16 1U riser card (left) / M2103-L8-1L, Proprietary PCI-E 1U riser (right)	
	PCI	-	
LAN	Port Q'ty	(2) GbE ports (1 port shared with IPMI)	
	Controller	Intel® I350-AM2	
Storage	NVMe	(4) Internal mini-SAS HD connectors (SFF-8643) (-E SKU)	
	SATA	Connector	(2) SATA (-E SKU), (1) Mini-SAS (4-ports) + (2) SATA (totally support 6 ports)
		Controller	Intel® C612
		Speed	6.0 Gb/s
	SSATA	Connector	(1) Mini-SAS (4-ports)
		Controller	Intel® C612
		RAID	RAID 0/1/10/5 (Intel RST) only for 4 SATA devices
Graphic	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
Audio	Chipset	Aspeed AST2400	
	Chipset	-	
Input /Output	USB	(3) USB2.0 ports (1 stack-up ports, 1 type A header) (4) USB3.0 ports (2 at rear, 2 via cable)	
	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	
	PSMI	(1) 1x5-pin header	
	NVMe	(4) Internal mini-SAS HD connectors (SFF-8643) (-E SKU)	
	SATA	(2) SATA-III connectors + (1) Mini-SAS (4-in-1) connectors (-E SKU) (2) SATA-III connectors + (2) Mini-SAS (4-in-1) connectors	
	Chipset	Aspeed AST2400	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
System Monitoring	Fan	Total (7) 4-pin headers	
	Temperature	Monitors temperature for CPU & system environment	
	LED	Over temperature warning indicator / Fan & PSU fail LED indicator	
	Others	Watchdog timer support	



Server Management	Onboard Chipset	Onboard Aspeed AST2400
	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	EATX
	Board Dimension	12"x13" (305x330mm)
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)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C Non-operating Relative Humidity: 10% to 95% (non-condensing)
	RoHS 6/6 Complaint	Yes

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

