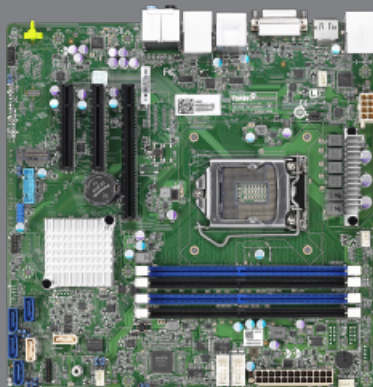
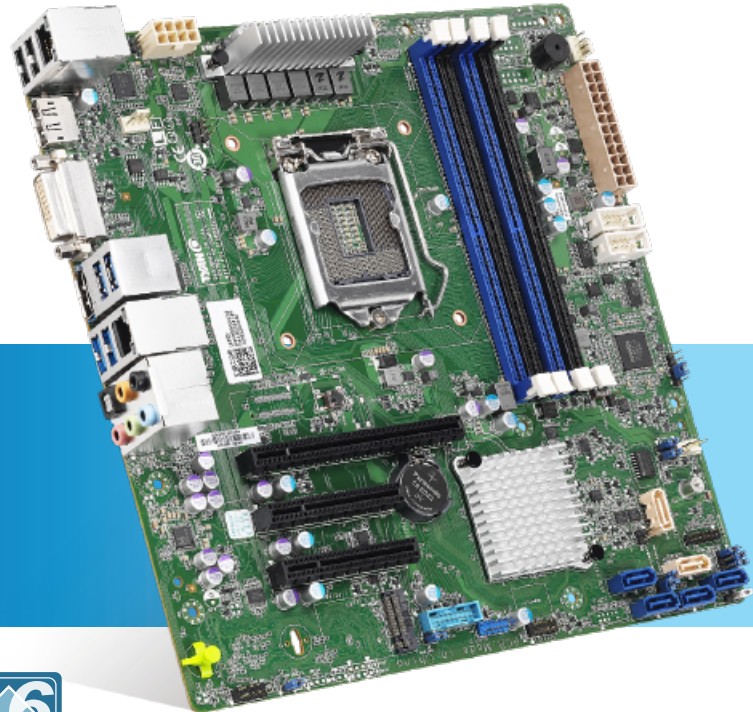


SINGLE-SOCKET EMBEDDED WORKSTATION BOARD

Tempest EX S5555

S5555AG2NR / S5555AG2NR-HE / S5555AG2NR-EX



■ Intel® Q370 Chipset
Intel® C246 Chipset
(-HE SKU)

Single-socket embedded workstation board with triple monitor outputs in μ ATX form factor

- Single LGA1151 socket supports (1) 8th Gen. Intel® Core i7/i5/i3 Processors, Intel® Celeron G4900 Series Processors or Intel Pentium Processor G5000 Series
- Single LGA1151 socket supports (1) Intel® Xeon® E-2100 series processors (-HE SKU)
- Intel® Q370 or C246 (-HE SKU)
- (4) UDIMM DDR4 2666/2400/2133
- Up to 64GB *Follow latest Intel® DDR4 Memory POR*
- (1) PCI-E Gen3 x16 slot + (2) PCI-E Gen3 x8 slots (w/ x4 link)
- (2) SATA DOM+ (4) SATA ports running at 6.0Gb/s w/ RAID 0, 1, 10, 5 support
- (2) GbE ports
- (1) M.2 2280/2242 (by PCI-E interface)
- 7.1 ch Audio onboard
- Micro ATX (9.6" x 9.6") form factor



Tempest EX S5555

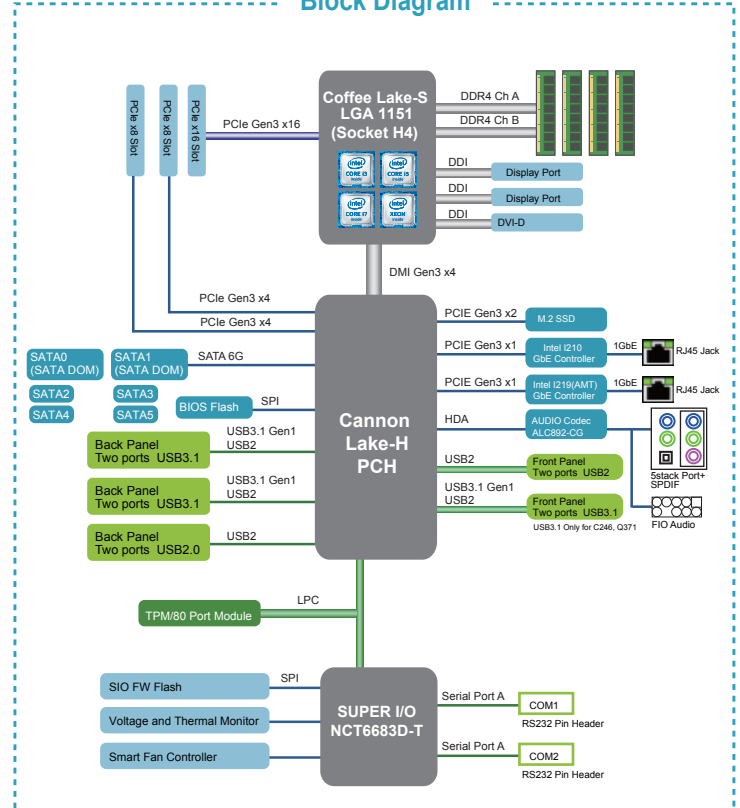
S5555AG2NR / S5555AG2NR-HE / S5555AG2NR-EX

TYAN

Specifications

Processor	Supported CPU Series		8th Gen. Intel® Core i7/i5/i3 Processors, Intel® Celeron G4900 Series Processors or Intel® Pentium Processor G5000 Series Intel® Xeon® E-2100 series processors (-HE SKU)
	Q'ty / Socket Type		(1) LGA1151
	Thermal Design Power (TDP) wattage		Max up to 95W
Chipset	PCH / PCI-E Switch		Intel® Q370 Intel® C246 (-HE SKU)
Memory	Supported DIMM Qty		(4) DIMM slots
	DIMM Type / Speed		UDIMM DDR4 2666/2400/2133 UDIMM ECC DDR4 2666/2400/2133 (-HE SKU)
	Capacity		Up to 64GB *Follow latest Intel DDR4 Memory POR
	Memory channel		2 Channels
	Memory voltage		1.2V
Expansion Slots	PCI-E		(1) PCI-E Gen3 x16 slot (2) PCI-E Gen3 x8 slots (w/ x4 link)
LAN	Port Q'ty		(2) GbE ports
	Controller		Intel® I210-AT
	PHY		Intel® I219-LM (Intel AMT support)
Storage	SATA	Connector	(4) SATA + (2) SATA-DOM
		Controller	Intel® Q370 Intel® C246 (-HE SKU)
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel® RSTe)
	NVMe	Connector (M.2)	(1) 2280/2242 (by PCI-E interface)
Graphic	Connector type		(1) DVI-D, (2) Display ports 1.2
	Chipset		Intel® Processor Graphics(pGFX)
Audio	Chipset		Realtek® ALC892-CG
	Feature		7.1 ch
Input /Output	USB		(2) USB 2.0 ports (at rear) (4) USB3.1 Gen2 ports (at rear)
	COM		(2) headers
	RJ-45		(2) GbE ports
	DVI		(1) DVI-D connector
	Audio		(1) 2x5-pin header (1) 5 holes Audio Jack+SPDIF fiber connector
	SATA		(4) SATA-III connectors + (2) SATA-DOM
	Display port		(2) Display ports 1.2
TPM (Optional)	TPM Support		Please refer to our TPM supported list.
System Monitoring	AMT Feature		Support Power on/ Power off/ Restart at remote side
	Chipset		NCT6683D-T
	Fan		Total (4) 4-pin headers
	Temperature		Monitors temperature for CPU & system environment
	Others		Watchdog timer support
BIOS	Brand / ROM size		AMI / 32MB
	Feature		Hardware Monitor, PXE boot support, ACPI sleeping states S3,S4,S5, User Configurable FAN PWM Duty Cycle, Console Redirection, ACPI 6.1, SMBIOS 3.1/PnP/Wake on LAN
Form Factor	Form Factor		Micro ATX
	Board Dimension		9.6" x 9.6" (243.8 x 243.8mm)
Operating System	OS supported list		Please refer to our Intel OS supported list.
Regulation	FCC (SDoC)		Class B
	CE (DoC)		Class B

Block Diagram



Operating Environment	Operating Temp.	0° C ~ 55° C (32° F ~ 131° 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 Compliant	Yes
Package Contains	Motherboard	(1) S5555 Motherboard
	SATA Signal Cable	(2) SATA Signal Cables
	Rear IO shielding	(1) Rear IO shielding
	Manual	(1) Quick Installation Guide

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

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