

DUAL-SOCKET 2GPU GPU PLATFORM

GA80-B7061

B7061G80W4H / B7061G80W4H-X
B7061G80W4H-N / B7061G80W4H-N2K2X



■ Front View



• (4) hot-swap 2.5" SAS/SATA 6G HDDs

■ Back View



• (2) Double-width, Full-Size PCI-E x16 slots for GPU deployment
• (1) cold-swap 1.2KW PSU, 80+ Platinum

1U Server Platform Designed for up to 2x GPU Cards Deployment

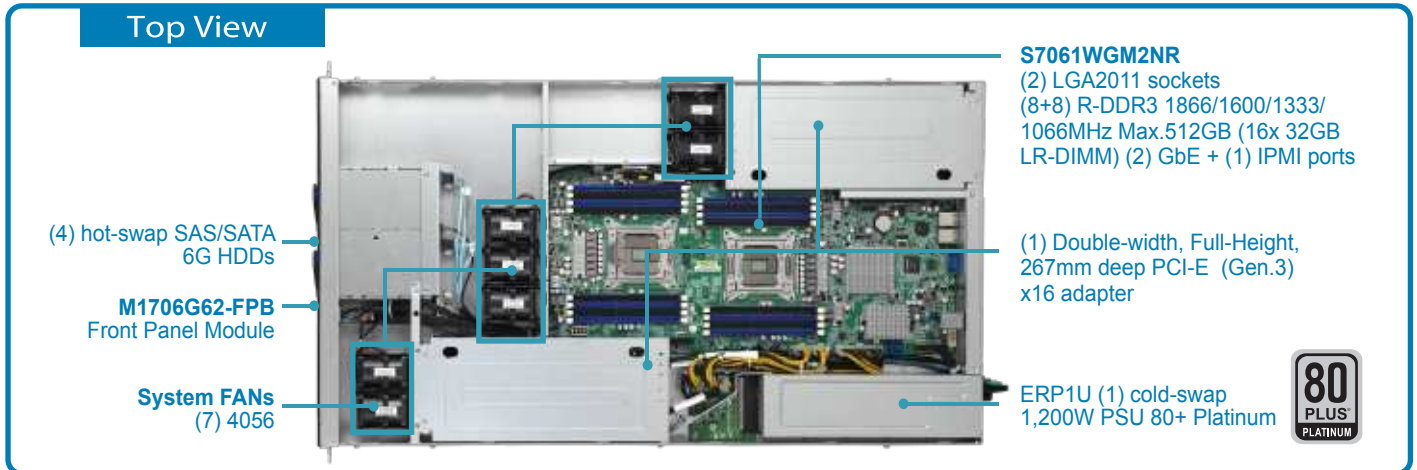
- Dual LGA2011 socket supports (2) E5-2600/E5-2600 v2 series CPU
- Intel® C602 PCH
- (8+8) 240-pin DDR3 DIMM slots
Supporting up to 512GB LRDIMM ECC 1866/1600/1333/1066 memory
Supporting up to 256GB R-DDR3 ECC 1866/1600/1333/1066 memory
Supporting up to 128GB U-DDR3 ECC 1866/1600/1333/1066 memory
- (2) Full-Height/ Full-Length PCI-E Gen3 x16 slots support (2) Double-deck GPU adapters
- (1) Full-Height/ Full-Length PCI-E Gen3 x8 slots
- (4) hot-swap 2.5" SAS/SATA 6G HDDs
- (2) GbE + (1) dedicated for IPMI
- Onboard BMC w/ IPMI and iKVM support
- ERP1U high-efficiency 1,200W PSU w/ PFC, 80 plus Platinum Certified

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Specifications



System (Recommend Chassis)	Form Factor	2U Rackmount
	Chassis Name	GA80
	Dimension (H x W x D)	31.50" x 17.32" x 1.73" (800 x 440 x 43.9mm)
	Motherboard	S7061WGM2NR
	Gross Weight	8KG
Front Panel	Buttons	(1) PWR / (1) RST / (1) ID
	LEDs	(1) PWR / (2) LAN / (1) ID / (1) IPMI/Warning
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	2.5" Hot-Swap / (4)
	Supported HDD Interface	SAS / SATA 6.0Gb/s
System Cooling Configuration	FAN	(7) 4cm fans
Power Supply	Type	ERP1U
	Redundancy	-
	Output Watts	1200 Watts
	Efficiency	PFC / 80-plus Platinum
Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600/E5-2600 v2 series processors
	Socket Type / Q'ty	LGA2011 / (2)
	Thermal Design Power (TDP) wattage	Max up to 130W / *Temperature support to 30 degree w/6C/8C Sandy Bridge 130W CPU
	System Bus	Up to 8.0/ 7.2/ 6.4 GT/s with Intel QuickPath Interconnect (QPI) support
Chipset	Chipset	Intel C602
	Super I/O	-
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	LRDIMM ECC 1866/1600/1333/1066 memory R-DDR3 ECC 1866/1600/1333/1066 memory U-DDR3 ECC 1866/1600/1333/1066 memory
	Capacity	up to 128GB UDIMM / 256GB RDIMM / 512GB LRDIMM
	Memory channel	4 Channels per CPU
	Memory voltage	1.5V/ 1.35V
Expansion Slots	PCI-E	(1) PCI-E x8 Gen3 slot (2) PCI-E Gen3 x16 slots
	Pre-install TYAN Riser Card	M2091-R, PCI-E x16 1U riser card (right) / M1201-L16-1F / M1202-L16-1F
LAN	Port Q'ty	(2) GbE ports + (1) dedicated for IPMI
	Controller	Intel® I350-AM2 + Realtek® RTL8201

Storage	SAS	Connector	(2) Mini-SAS connectors (totally support 8 ports)
		Controller	LSI® SAS2308
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
SATA	Connector	(2) SATA	
	Controller	Intel® C602	
	Speed	6.0 Gb/s	
RAID	RAID 0/1/10/5 (Intel RST)		
Graphic	Connector type	D-Sub 15-pin	
	Resolution	up to 1920 x 1200	
	Chipset	Aspeed AST2300	
Input /Output	USB	(7) USB2.0 ports (2 at rear, 2 at front, 2 via header, 1 type A onboard)	
	COM	(2) DB-9 COM port headers	
	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	(3) ports (1 dedicate port for IPMI)	
System Monitoring	Chipset	Aspeed AST2300	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory	
	LED	Fan fail LED indicator / Over temperature warning indicator / Fan & PSU fail LED indicator	
System Management	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 / S0,S1,S4,S5 states supported	
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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