

1U STORAGE SERVER PLATFORM



GT86A-B7051

B7051G86AW12-HE



■ Front View



Power Button with LED/ Reset Button

■ Back View



500W PSU, 80-plus Platinum

1U Storage Server Platform for HDFS Deployment

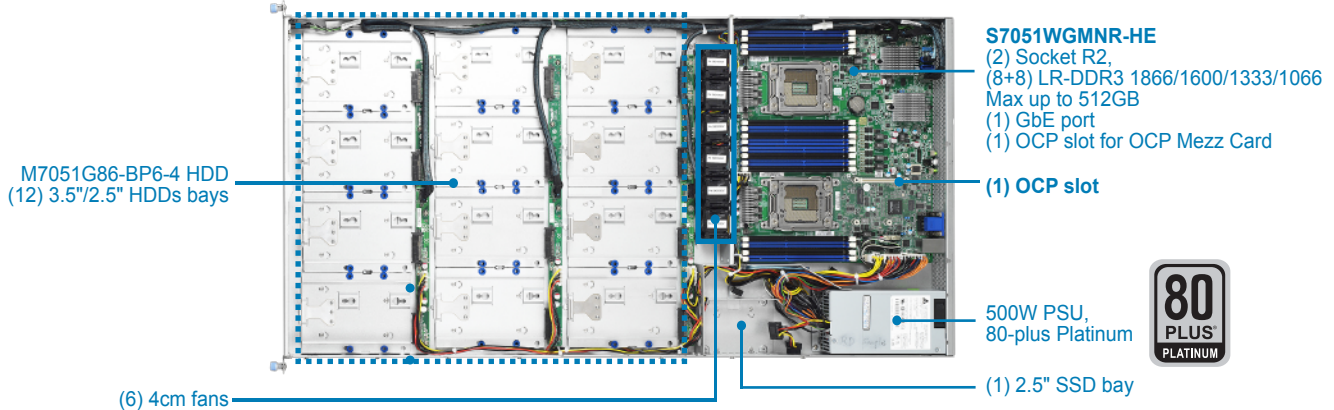
- Dual LGA2011 socket supports (2) Intel® Xeon E5-2600 v2 series processors
- Intel® C602-J
- (8)+(8) DIMM slots
Support up to 512GB LR-DDR3 1866/1600/1333/1066 w/ ECC
Support up to 256GB R-DDR3 1866/1600/1333/1066 w/ ECC
Support up to 128GB U-DDR3 1866/1600/1333/1066 w/ ECC
- (1) OCP slot for OCP Mezz Card
- (12) 3.5"/2.5" easy-swap HDDs bays support SATA 6Gb/s + (1) 2.5" fixed SSD bay
- (1) GbE ports shared with IPMI (via Intel® I210)
- Onboard BMC w/ IPMI and iKVM support
- 500W PSU, 80 plus Platinum Certified

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TYAN
Specifications

Top View



System (Recommend Chassis)	Form Factor	1U Rackmount	
	Chassis Name	GT86A	
	Dimension (H x W x D)	33.86" x 17.32" x 1.72" (860 x 440 x 43.6mm)	
Front Panel	Buttons	(1) RST / (1) PWR w/ LED	
	LEDs	-	
	I/O Ports	-	
External Drive Bay	Type / Q'ty	(12) 3.5"/2.5" easy-swap HDDs bays support SATA 6Gb/s + (1) 2.5" fixed SSD bay	
	Supported HDD Interface	SATA-III 6.0Gb/s	
System Cooling Configuration	FAN	(6) 4cm fans	
Power Supply	Type	EPS1U	
	Redundancy	N/A	
	Output Watts	500 Watts	
	Input Range	100-127V AC/8A / 200-240V AC/4A	
Processor	Efficiency	80-plus Platinum	
	Supported CPU Series	Intel® Xeon® Processor E5-2600 v2 series processors	
	Socket Type / Q'ty	LGA2011 / (2)	
	Thermal Design Power (TDP) wattage	Up to 115W	
Chipset	System Bus	Up to 8.0/ 7.2/ 6.4 GT/s with Intel® QuickPath Interconnect (QPI) support	
	Chipset	Intel® C602-J	
	Super I/O	-	
Memory	Supported DIMM Qty	(8)+(8) DIMM slots	
	DIMM Type / Speed	RDIMM ECC 1866/1600/1333/1066 / UDIMM/ LRDIMM ECC 1866/1600/1333/1066	
	Capacity	up to 128GB UDIMM / 256GB RDIMM / 512GB LRDIMM	
	Memory channel	4 Channels per CPU	
	Memory voltage	1.5V or 1.35V	
Expansion Slots	PCI-E	(1) OCP slot for OCP Mezz Card	
LAN	Port Q'ty	(1) GbE	
	Controller	Intel® I210	
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)

Storage	SATA	Connector	(2) SATA
		Controller	Intel® C602-J
		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	(5) USB3.0 ports (2 at rear, 2 via cable, 1 TYPE-A)	
	COM	(1) DB-9 COM port headers	
	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	(1) GbE port shared with IPMI	
	Button	-	
	Others	-	
System Monitoring	Chipset	Aspeed AST2300	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory & system environment	
	LED	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 / BIOS update	
	AST2300 iKVM Feature	24-bit high quality video compression / 10/100 Mb/s MAC interface	
BIOS	Brand / ROM size	AMI / 8MB	
	Feature	User-configurable H/W monitoring / Auto-configurable of hard disk types / SMBIOS 2.7/PnP/Wake on LAN / PXE boot support / ACPI 3.0/ACPI sleeping states S1,S4,S5	
Operating System	OS supported list	Please refer to our 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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