

DUAL-SOCKET 4GPGPU PLATFORM



FT48-B7055

B7055F48V8HR / B7055F48W8HR / B7055F48V8HR-2T(BTO)
B7055F48V8HR-N129(BTO) / B7055F48V8HR-N429(BTO)



■ Front View



(8) Hot-Swap 3.5" SATA-III/ SAS HDDs

■ Back View



(4) FH/FL PCI-E (G3) x16 slots +
(2) FH/HL PCI-E (G3) x8 slots +
(1) FH/FL PCI Slot

4U Dual-Socket Server Implementation for GPGPU and HPC Applications

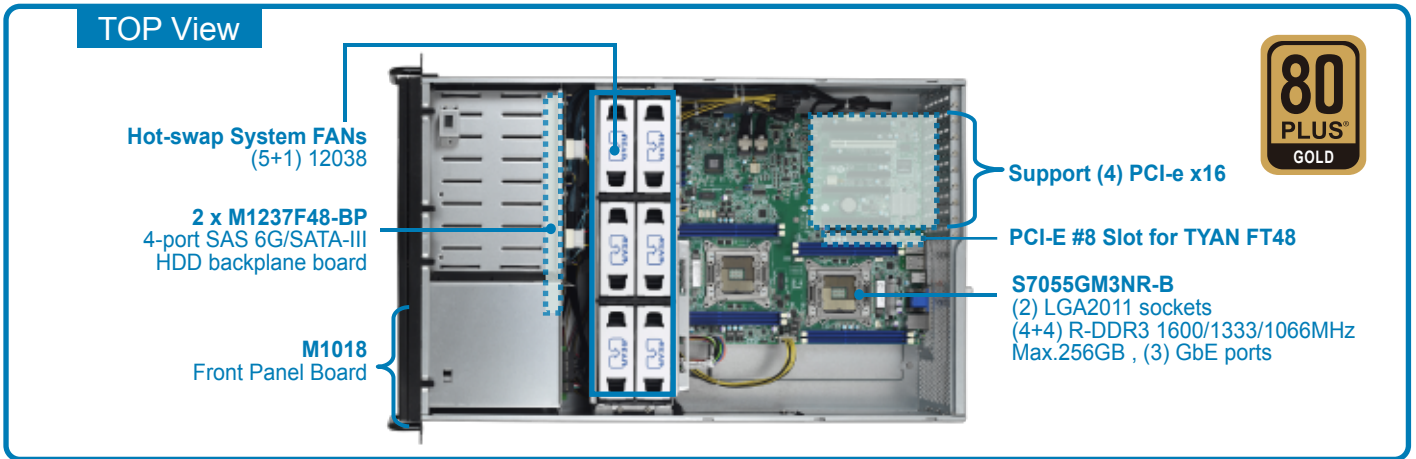
- Dual LGA2011 socket supports Intel Xeon Processor E5-2600/E5-2600 v2 Series CPU
- Intel® C602 PCH and INTEL SAS ROM key design
- (4+4) 240-pin UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866
*Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot)
- (4) Full-Height/ Full-Length PCI-E Gen3 x16 slots support (4) Double-deck GPU adapters
- (2) Full-Height/ Full-Length PCI-E x8 slots
- (1) Full-Height/ Full-Length PCI slot
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- (8) SAS/SATA 3G ports(SCU)enabled by Intel® option ROM kit
- (3) GbE (via Intel® I350-BT2 + Intel® 82574L), or (2) 10GbE (via Intel® X540-AT2) + (1) GbE (Intel® 82574L) (-2T SKU)
- Optional TPM 1.2 (Trusted Platform Module) support
- (4/8) Hot-swap 3.5" SAS HDDs w/ RAID 0, 1, 1E support
- Onboard BMC w/ IPMI and iKVM support
- (2+1) Redundant, ERP1U high-efficiency 1,540W PSU w/ PFC, 80-PLUS Certified (B7055F48V8HR / B7055F48W8HR / B7055F48V8HR-2T)



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Specifications



System (Recommend Chassis)	Form Factor	4U Rackmount	LAN	Port Q'ty	(3) GbE ports (B7055F48V8HR/B7055F48W8HR) (1) GbE / (2) 10GbE ports (B7055F48V8HR-2T)			
	Chassis Name	FT48		Storage	Controller	Intel® 82574L + Intel® I350-BT2 (B7055F48V8HR/B7055F48W8HR) Intel® 82574L + Intel® X540-AT2(B7055F48V8HR-2T)		
	Dimension (H x W x D)	6.9" x 16.7" x 27.6" (176 x 425 x 700mm)				SAS (opt.)	Controller	Intel® Integrated RAID upgrade ROM 5 (B7055F48W8HR)
	Motherboard	S7055GM3NR-B / S7055WGM3NR-B S7055GM3NR-2T-B					Speed	6.0 Gb/s
Front Panel	Gross Weight	46KG	SATA	RAID	RAID 0/1/10			
	Buttons	(1) PWR (w/ LED) / (1) RST / (1) NMI / (1) ID		Controller	Controller	Intel® C602 series		
	LEDs	(1) Power / (1) ID / (2) LAN / (1) HDD (1) Warning			Speed	6.0 Gb/s		
External Drive Bay	I/O Ports	(2) USB ports	RAID	RAID	RAID 0/1/10/5 (INTEL RAID stack)			
	Type / Q'ty	3.5" Hot-Swap / (8)		Graphic	Connector type	D-Sub 15-pin		
System Cooling Configuration	Supported HDD Interface	8-bay for 3.5"HDD ,6Gb/s mini-SAS backplane	Resolution		Resolution	up to 1920 x 1200		
	FAN	upto (6) 12cm fans (default : 3 FANS)		Chipset	Chipset	Aspeed AST2300		
Power Supply	Type	ERP1U	Input /Output		USB	(7) USB2.0 ports (2 at rear, 4 via cable, 1 type A onboard)		
	Efficiency	PFC / 80-plus		COM	(1) port (rear)			
	Redundancy	2+1		VGA	(1) D-Sub 15-pin VGA port			
	Input Range	100-127V AC / 200-240V AC		RJ-45	(3) GbE ports			
	Frequency	50/60 Hertz		System Monitoring	Chipset	Nuvoton 83773G		
Output Watts	1,540W (2 x 770W)	Voltage	Monitors voltage for CPU, memory, chipset & power supply					
Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600/E5-2600 v2	Temperature		Monitors temperature for CPU & system environment			
	Socket Type / Q'ty	Socket R	LED (On system front panel)		Fan fail LED indicator Over temperature warning indicator			
	Average CPU Power (ACP) wattage	Up to 150W	BIOS	Brand / ROM size	AMI / 8MB			
System Bus	QPI link upto 8GT/s	Feature		Plug and Play (PnP) /PCI2.3 /w/2.0 /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				
Chipset	Chipset		Intel® C602	Regulation	FCC (DoC)	Class A		
	Super I/O	-	CE (DoC)		Yes			
	Memory	Supported DIMM Qty	(4+4) DIMM slots	Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)		
		DIMM Type / Speed	UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866 *Speed 1866 only for 1 slot per channel 1.5V (Blue color DIMM slot)		Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)		
		Capacity	up to 64GB UDIMM / 128GB RDIMM / 256GB LRDIMM	Humidity	In/Non-operating Humidity	90%, non-condensing at 35° C		
Memory channel		4 Channels per CPU	RoHS		RoHS 6/6 Complaint Yes			
Memory voltage	1.5V/ 1.35V	Expansion Slots	PCI-E	(4) PCI-E Gen3 x16 slots (slot #7, #5, #3, #1) (1) PCI-E Gen2 x8 slots (slot #4) (1) PCI-E Gen3 x8 slots (slot #8)				
PCI	(1) PCI 32-bit slot (slot #2)		PCI	(1) PCI 32-bit slot (slot #2)				

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

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