

## 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

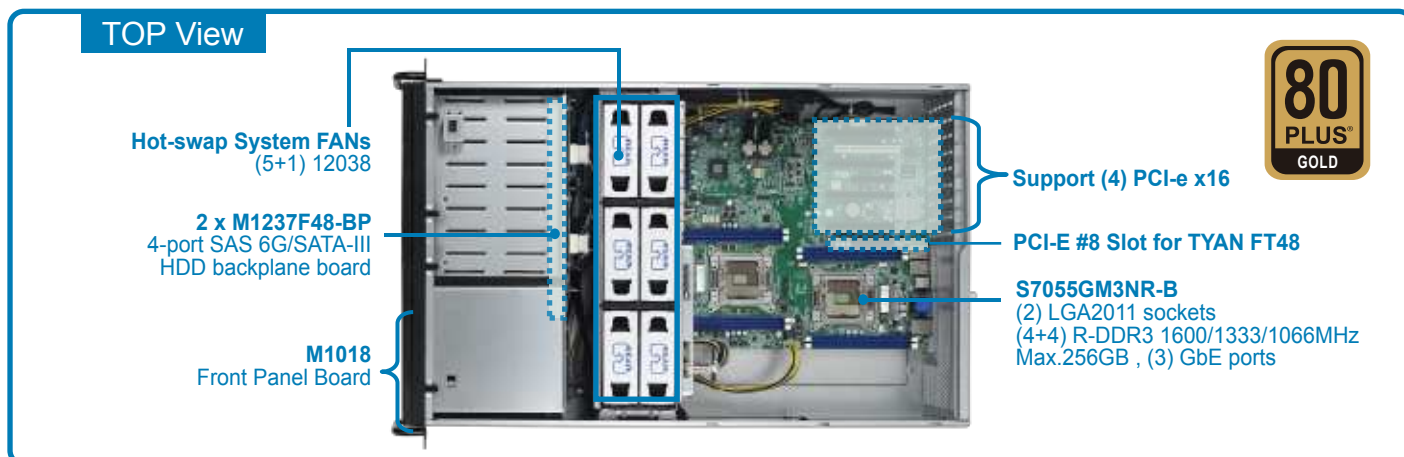
- Dual LGA2011 socket supports Intel Xeon Processor E5-2600/E5-2600 v2 Series CPU
- Intel® C602 PCH and INTEL SAS ROM key design
- (4+4) 240-pin UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866  
\*Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot)
- (4) Full-Height/ Full-Length PCI-E Gen3 x16 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)



# FT48-B7055

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

**TYAN**  
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		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
	Motherboard	S7055GM3NR-B / S7055WGM3NR-B S7055GM3NR-2T-B		Speed		6.0 Gb/s
Front Panel	Gross Weight	46KG	Storage	RAID	RAID 0/1/10	
	Buttons	(1) PWR (w/ LED) / (1) RST / (1) NMI / (1) ID		SATA	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	Graphic	RAID	RAID 0/1/10/5 (INTEL RAID stack)	
	Type / Q'ty	3.5" Hot-Swap / (8)		Connector type	D-Sub 15-pin	
System Cooling Configuration	Supported HDD Interface	8-bay for 3.5"HDD ,6Gb/s mini-SAS backplane	Input /Output	Resolution	up to 1920 x 1200	
	FAN	upto (6) 12cm fans ( default : 3 FANS)		USB	(7) USB2.0 ports (2 at rear, 4 via cable, 1 type A onboard)	
Power Supply	Type	ERP1U	System Monitoring	COM	(1) port (rear)	
	Efficiency	PFC / 80-plus		VGA	(1) D-Sub 15-pin VGA port	
	Redundancy	2+1	BIOS	RJ-45	(3) GbE ports	
	Input Range	100-127V AC / 200-240V AC		Chipset	Nuvoton 83773G	
	Frequency	50/60 Hertz		Voltage	Monitors voltage for CPU, memory, chipset & power supply	
Processor	Output Watts	1,540W (2 x 770W)	Regulation	Temperature	Monitors temperature for CPU & system environment	
	Supported CPU Series	Intel® Xeon® Processor E5-2600/E5-2600 v2		FCC (DoC)	Class A	
	Socket Type / Q'ty	Socket R	Operating Environment	CE (DoC)	Yes	
Average CPU Power (ACP) wattage	Up to 150W	Operating Temp.		10° C ~ 35° C (50° F~ 95° F)		
Chipset	System Bus	QPI link upto 8GT/s	RoHS	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)	
	Chipset	Intel® C602		In/Non-operating Humidity	90%, non-condensing at 35° C	
	Super I/O	-	RoHS 6/6 Complaint	Yes		
	Memory	Supported DIMM Qty	(4+4) DIMM slots	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)
		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 )		PCI	(1) PCI 32-bit slot (slot #2)
Capacity		up to 64GB UDIMM / 128GB RDIMM / 256GB LRDIMM				
Memory channel		4 Channels per CPU				
Memory voltage		1.5V/ 1.35V				

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

**MITAC INTERNATIONAL CORP.**  
TYAN Business Unit

USA  
Tel: +1-510-651-8868  
Fax: +1-510-651-7688

Taiwan  
Tel: +886-2-2652-5888  
Fax: +886-2-2652-5805

Japan  
Tel: +81-3-3769-8311  
Fax: +81-3-3769-8328

Europe  
Sales: +32 2456 1721  
Technical Support: +32 2456 1722

China  
Shanghai Tel: +86-21-61431188 Ext 1366  
China Tel.-86-010-62555015 Ext 8302