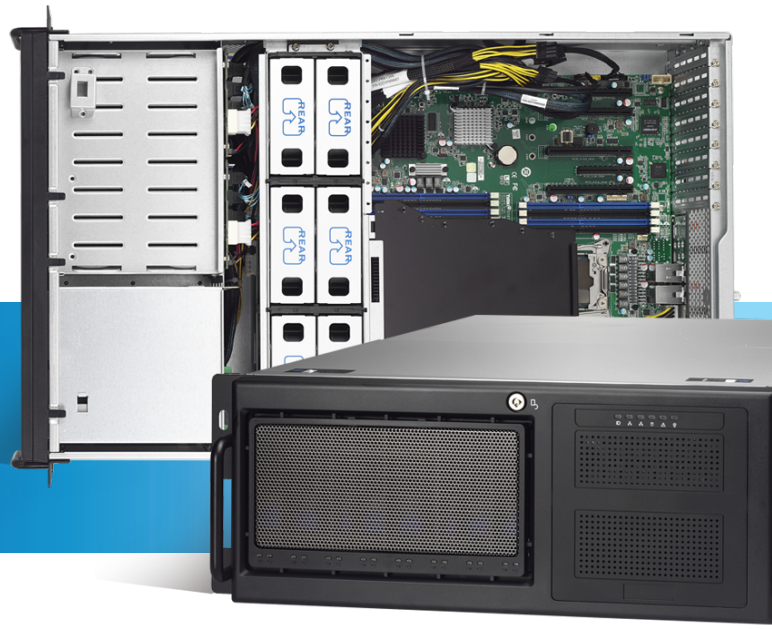
TYAN

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4U 3GPGPU PLATFORM



FT48A-B7070

B7070F48AW16HR / B7070F48AV4HR-N

Front View



- (8) 3.5" Hot-Swap HDDs w/SATA 6Gb/s
- (8) 2.5" Hot-Swap HDDs w/SAS 6Gb/s

Back View



- Up to (3) Double-width, Full-Size PCI-E x16 slots for GPU deployment
- (2+1) ERP1U 1,540W, 80 plus Gold

4U Server Platform Designed for up to 3x GPU Modules Deployment

- Dual LGA2011 socket supports (2) E5-2600 v3 series processors
- Intel® C612 PCH
- (8)+(8) DIMM slots
  Support up to 512GB RDIMM DDR4 2133/1866/1600
  Support up to 1,024GB LRDIMM DDR4 2133/1600
  Support up to 2,048 LRDIMM 3DS DDR4 2133/1600
  Follow latest Intel DDR4 Memory POR
- Up to PCI-E Gen3 x16 slots support (3) Double-deck GPU adapters modules
  (2) PCI-E Gen3 x8 slots
- Up to (16) Hot-Swap HDDs support w/(8) 3.5" SATA 6Gb/s + (8) 2.5" SAS 6Gb/s
  *(4) Hot-Swap 3.5" HDDs w/SATA 6Gb/s support only for -N SKU
- (2) GbE (1 port shared with IPMI)
- Onboard BMC w/ IPMI and iKVM support
- (2+1) Redundant, ERP1U high-efficiency 1,540W, 80 plus Gold

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

FT48A-B7070

B7070F48AW16HR / B7070F48AV4HR-N

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Specifications

Top View

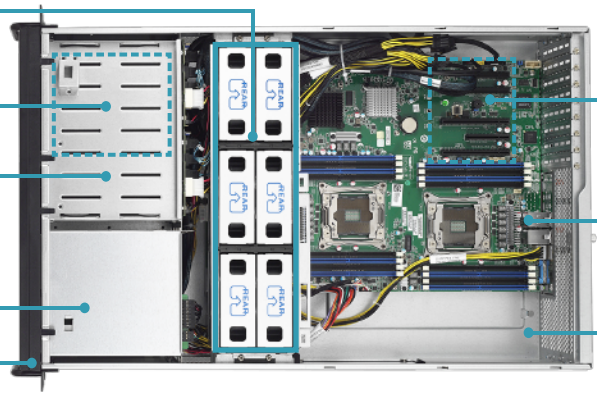
Hot-Swap System FAN
(3+3) 12cm FANs

(4) 3.5" Hot-Swap HDDs w/SATA 6Gb/s only for -N SKU

M1237F48-BP6-4
(8) 3.5" Hot-Swap HDDs w/SATA 6Gb/s

M1244G70-BP6-8
(8) 2.5" Hot-Swap HDDs w/SAS 6Gb/s

M1018
Front Panel Board



Up to PCI-E Gen3 x16 slots support
(3) Double-deck GPU adapters modules
(2) PCI-E Gen3 x8 slots

S7070WGM2NR/GM2NR
(2) LGA2011 sockets
(8+8) R-DDR4 1600/1333/1066MHz Max.512GB
(2) GbE (1port shared with IPMI)

ERP1U (2+1) 1,540W RPSU (2 x 770W)
80+ Gold

System (Recommend Chassis)	Form Factor	4U Rackmount
	Chassis Name	FT48A
	Dimension (H x W x D)	27.5" x 16.8" x 6.9" (700 x 427 x 176mm)
	Motherboard	S7070WGM2NR / S7070GM2NR
	Gross Weight	50KG
Front Panel	Buttons	(1) PWR / (1) RST / (1) NMI / (1) ID
	LEDs	(1) PWR / (1) HDD / (2) LAN / (1) ID / (1) Warning
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" Hot-Swap + 2.5" Hot-Swap / (8)+(8) 3.5" Hot-Swap / (4) (-N SKU)
	Supported HDD Interface	SAS / SATA 6.0Gb/s
	Supported HDD Interface	(8) 3.5" HDDs w/SATA 6Gb/s (8) 2.5" HDDs w/SAS 6Gb/s (4) 3.5" HDDs w/SATA 6Gb/s (-N SKU)
System Cooling Configuration	FAN	(3+3) 12cm redundant fans
Power Supply	Type	ERP1U
	Redundancy	2+1
	Output Watts	1,540 Watts (2 x 770W)
	Efficiency	PFC / 80-plus Glod
Processor	Supported CPU Series	Intel Xeon Processor E5-2600 v3 Series
	Socket Type / Q'ty	LGA2011 / (2)
	Thermal Design Power (TDP) wattage	Max up to 160W
	System Bus	Up to 9.6/ 8.0/ 6.4 GT/s with Intel QuickPath Interconnect (QPI) support
Chipset	Chipset	Intel C612
	Super I/O	-
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	RDIMM DDR4 2133/1866/1600 / LRDIMM DDR4 2133/1600 / LRDIMM 3DS DDR4 2133/1600
	Capacity	Up to 512GB RDIMM/ 1,024GB LRDIMM/ 2,048GB LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
	Memory channel	4 Channels per CPU
	Memory voltage	1.2V
Expansion Slots	PCI-E	(2) PCI-E Gen3 x16 slots / (1) PCI-E Gen2 x8 slot / (1) PCI-E Gen3 x16 slots (w/ x8/16 link) / (1) PCI-E Gen3 x8 slots (w/ x8/0 link)
	Pre-install TYAN Riser Card	-
LAN	Port Q'ty	(2) GbE ports (1 port shared with IPMI)
	Controller	Intel I350-AM2

Storage	SAS	Connector	(2) Mini-SAS connectors (totally support 8 ports) (-W SKU)
		Controller	LSI SAS2308
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
	SATA	Connector	(1) Mini-SAS (4-ports) + (2) SATA (totally support 6 ports)
		Controller	Intel C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel Matrix RAID)
	SSATA	Connector	(4) SATA-III
		Controller	Intel C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST) only for 4 SATA devices
Graphic	Connector type		D-Sub 15-pin
	Resolution		up to 1920 x 1200
	Chipset		Aspeed AST2400
Input /Output	USB		(6) ports (2 USB2.0 at front, 2 USB2.0 at rear, 2 USB3.0 at rear)
	VGA		(1) D-Sub 15-pin VGA port
	RJ-45		(2) GbE ports (1 port shared with IPMI)
System Monitoring	Chipset		Aspeed AST2400
	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 AST2400
	AST2400 IPMI Feature		IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2400 iKVM Feature		24-bit high quality video compression / 10/100 Mb/s MAC interface
BIOS	Brand / ROM size		AMI / 16MB
	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 S4,S5
Operating System	OS supported list		Please refer to our Intel 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 Complaint		Yes

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