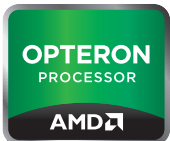


4U QUAD-SOCKET HPC SERVER PLATFORM



FT48-B8812

B8812F48W8HR



■ Front View



■ Back View



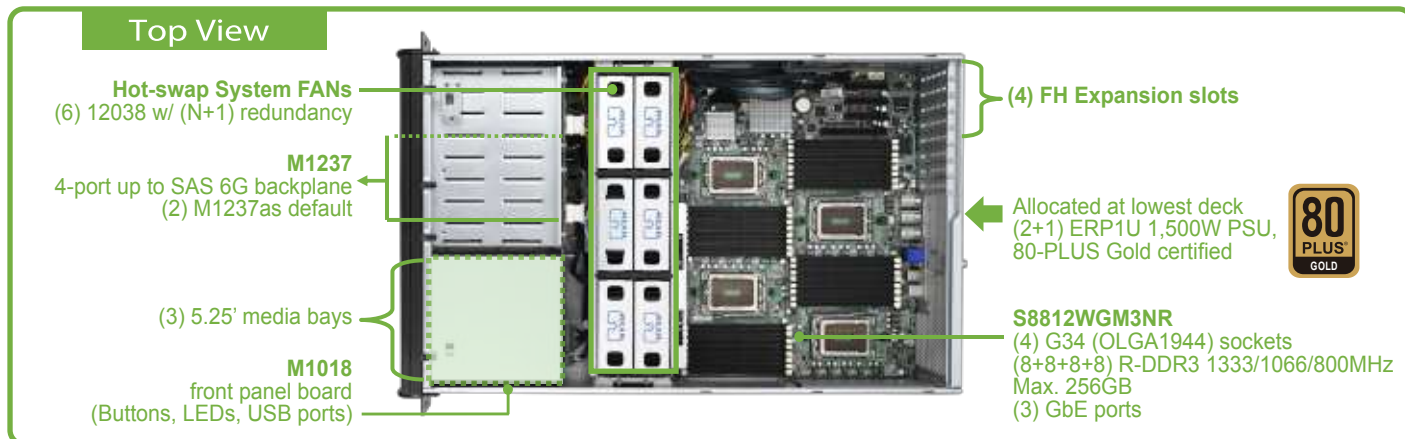
4U quad-socket SMP server implementation for HPC and enterprise virtualization applications

- Quad G34 (OLGA1944) sockets support up to (4) AMD Opteron™ 6100/6200 series processors (Magny-Cours/Interlagos)
- Support (4) HyperTransport™ 3.0 link, max. bandwidth up to 25.6 GB/s @ 6.4GT/s per link
- AMD SR5690 + SP5100
- (32) 240-pin DDR3 DIMM slots support up to 256GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (1) PCI-E Gen.2 x16 slot (w/ x16 or x8 link)
- (1) PCI-E Gen.2 x8 slot (w/ x0 or x8 link)
- (2) PCI-E Gen.2 x8 slots
- (3) GbE LAN
- (8) Hot-swap 3.5" SAS 6G HDDs w/ RAID 0, 1, 1E, 10 support
- Onboard BMC w/ IPMI and iKVM support
- (2+1) Redundant, ERP1U high-efficiency 1,500W PSU w/ PFC, 80-PLUS Gold Certified



FT48-B8812

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System	Form Factor	4U Rackmount
	Chassis Name	FT48
	Dimension (H x W x D)	6.9" x 16.7" x 27.6" (176 x 425 x 700mm)
	Motherboard	S8812WGM3NR
Front Panel	Gross Weight	46.8 kg
	Buttons	(1) RST / (1) ID / (1) PWR / (1)NMI
	LEDs	(1) Power / (1) ID / (2) LAN / (1) HDD (1) Warning
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" Hot-Swap / (8)
	Supported HDD Interface	SAS 6.0Gb/s
System Cooling Configuration	FAN	(5+1) redundant 12cm fans
	Type	ERP1U hot-swap / (2+1)
Power Supply	Input Range	Full-range AC(100-240V)
	Frequency	47 - 63 Hertz
	Output Watts	1,500 Watts (2x 750W)
	Efficiency	PFC / 80-PLUS Gold
Processor	Supported CPU Series	AMD Opteron™ 6100/6200 series processors
	Socket Type / Q'ty	G34 / (4)
	Average CPU Power (ACP) wattage	Up to 105W
	System Bus	Support (4) HyperTransport™ 3.0 link, max. bandwidth up to 25.6GB/s @ 6.4GT/s per link
Chipset	Chipset	AMD SR5690 + SP5100
	Super I/O	Winbond W83627DHG
Memory	Supported DIMM Qty	(8+8+8+8) DIMM slots
	DIMM Type / Speed	DDR3 1333/1066/800 RDIMM
	Capacity	Up to 256GB RDIMM
	Memory channel	8 Channels (4 Channels per CPU)
Expansion Slots	Memory voltage	1.5V/ 1.35V
	PCI-E	(1) FH/FL PCI-E Gen.2 x16 slot (w/ x16 or x8 link) (1) FH/FL PCI-E Gen.2 x8 slot (w/ x0 or x8 link) (2) FH/FL PCI-E Gen.2 x8 slots
LAN	Port Q'ty	(3)
	Controller	Intel® 82576EB Intel® 82574L
Storage	SAS (opt.)	Controller LSI SAS2008
		Speed 6.0 Gb/s
		RAID RAID 0/1/1E/10 (LSI Integrated RAID)

Storage	SATA	Controller AMD SP5100
		Speed 3.0 Gb/s
		RAID N/A
Graphic	Connector type	D-Sub 15-pin
	Resolution	1600x1200@60Hz
	Chipset	Aspeed AST2050
Input /Output	USB	(5) USB2.0 ports (2 at rear, 2 at front, 1 type A onboard)
	COM	(1) DB-9 port
	PS/2	(1) PS/2 connector
	VGA	(1) D-Sub 15-pin VGA port
	RJ-45	(3) GbE ports
System Monitoring	Chipset	Winbond W83795G
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & system environment
	LED (On system front panel)	Fan fail LED indicator Over temperature warning indicator
	Others	Watchdog timer support
	Onboard Chipset	Onboard Aspeed AST2050
Server Management	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 4MB
	Feature	Plug and Play (PnP) PCI2.3 /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 Multiple boot options
		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)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Compliant	Yes

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

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