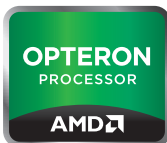


1U DUAL-SOCKET POWER-EFFICIENT SERVER PLATFORM



GT24-B8236-IL

B8236G24W4H-IL / B8236G24V4H-IL
B8236G24W4HR-IL



■ Front View

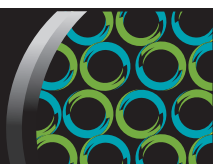


■ Back View



Best 1U dual-socket SMP server implementation for HPC and enterprise virtualization applications

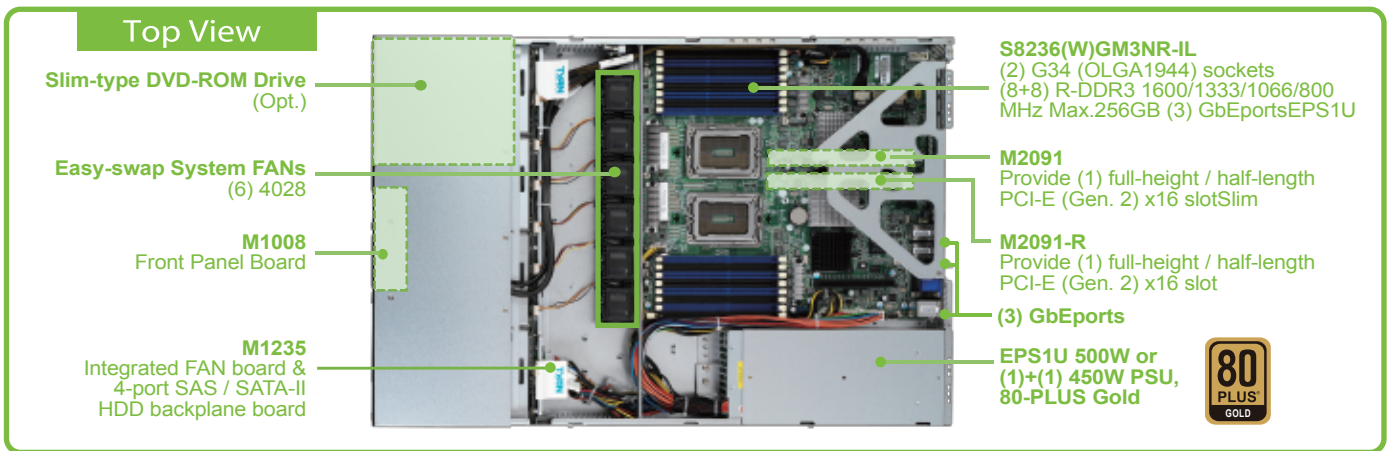
- Dual G34 sockets support up to (2) AMD Opteron™ processors 6100/ 6200/ 6300 series (Magny-Cours/ Interlagos/ Abu Dhabi)
- Support (4) HyperTransport™ 3.0 link, max. bandwidth up to 25.6 GB/s @ 6.4GT/s per link
- AMD SR5690 + SP5100
- (16) 240-pin DDR3 DIMM slots support up to 256GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (1) FH/HL PCI-E (Gen.2) x16 slot
- (1) FH/HL PCI-E (Gen.2) x16 slot
- (3) GbE LAN
- (4) Hot-swap 3.5" SAS 6G HDDs w/ RAID 0, 1, 1E, 10 support (B8236G24W4H-IL) / (B8236G24W4HR-IL)
- (4) Hot-swap 3.5" SATA-II HDDs w/ RAID 0, 1, 10, 5 support (B8236G24V4H-IL)
- Onboard BMC w/ IPMI and iKVM support
- (1) EPS1U high-efficiency (80-PLUS Gold) 500W PSU w/ PFC or (1) + (1) 450W Redundant Power



GT24-B8236-IL

B8236G24W4H-IL / B8236G24V4H-IL / B8236G24W4HR-IL

TYAN
Specifications



System	Form Factor	1U Rackmount
	Chassis Name	GT24
	Dimension (H x W x D)	1.72" x 17.2" x 25.4" (43.6 x 436 x 645mm)
	Motherboard	S8236GM3NR-IL (B8236G24V4H-IL) S8236WGM3NR-IL (B8236G24W4H-IL) S8236VGM3NR-IL (B8236G24W4HR-IL)
	Gross Weight	16 kg
Front Panel	Buttons	(1) PWR (w/ LED) / (1) RST / (1) NMI / (1) ID (1) ID / (1) Warning / (1) Reserved (3) LAN
	LEDs	(1) ID / (1) Warning / (1) Reserved (3) LAN
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" Hot-Swap / (4)
	Supported HDD Interface	SATA-II 3.0Gb/s (B8236G24V4H-IL) SAS 6.0Gb/s (B8236G24W4H-IL) / (B8236G24W4HR-IL)
System Cooling	FAN	(6) 4cm fans
Power Supply	Type	EPS1U
	Input Range	Full-range AC(100-240V)
	Frequency	47 - 63 Hertz
	Output Watts	500 Watts (single) or (1) + (1) 450W Redundant Power
	Efficiency	PFC / 80-PLUS Gold
Processor	Supported CPU Series	AMD Opteron™ processors 6100/6200/6300 series
	Socket Type / Q'ty	G34 / (2)
	Thermal Design power (TDP) wattage	Up to 115W
Chipset	System Bus	Support (4) HyperTransport™ 3.0 link, max. bandwidth up to 25.6GB/s @ 6.4GT/s per link
	Chipset	AMD SR5690 + SP5100
Memory	Super I/O	Winbond W83627DHG-P
	Supported DIMM Qty	(8+8) DIMM slots
	DIMM Type / Speed	DDR3 1333/1066/800 RDIMM
	Capacity	Up to 256GB RDIMM
Expansion Slots	Memory channel	8 Channels (4 Channels per CPU)
	Memory voltage	1.5V/ 1.35V/ 1.25V
	PCI-E	(1) FH/HL PCI-E Gen.2 x16 slot (1) FH/HL PCI-E Gen.2 x16 slot
LAN	Pre-installed TYAN Riser Card	M2091, PCI-E x16 1U riser card (left) M2091-R, PCI-E x16 1U riser card (right)
	Port Q'ty	(3)
LAN	Controller	Intel 82576EB Intel 82574L

Storage	SAS (opt.)	Controller	LSI SAS2008 (B8236G24W4H-IL & B8236G24W4HR-IL only)
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
Graphic	SATA	Controller	AMD SP5100
		Speed	3.0 Gb/s
		RAID	RAID 0/1/10/5 (Promise RAID stack)
Input /Output	Connector type	D-Sub 15-pin	
	Resolution	1600x1200@60Hz	
	Chipset	Aspeed AST2050	
	USB	(5) USB2.0 ports (2 at rear, 2 at front, 1 type A onboard)	
	COM	(1) DB-9 port	
System Monitoring	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	(3) GbE ports	
	Chipset	Winbond W83795G	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & system environment	
Server Management	LED (On system front)	Fan fail LED indicator Over temperature warning indicator	
	Others	Watchdog timer support	
	Onboard Chipset	Onboard Aspeed AST2050	
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub	
BIOS	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces	
	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	
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 Complaint	Yes	

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