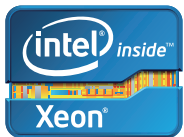


COST-EFFECTIVE SMP SERVER PLATFORM



GT20A-B7040

B7040G20AV4H



■ Front View



(4) Hot-Swap 3.5" / 2.5" SAS/ SATA 6G HDDs

■ Back View



(1) HH PCI-E (G3) x8 slot

Cost-effective 1U Dual-Socket Server Implementation for power-efficient Applications

- Dual LGA1356 socket supports (2) E5-2400 series CPU
- Intel® C602 PCH
- (6+3) DDR-III DIMM slots
Supporting up to 288GB LRDIMM ECC 1333/1066 memory
Supporting up to 144GB R-DDR3 ECC 1600/1333/1066 memory
Supporting up to 72GB U-DDR3 ECC 1333/1066 memory
- (1) Half-Height/ Half-Length PCI-E Gen3 x8 slot
- (4) Hot-swap 3.5"/2.5" SAS/SATA 6G HDDs
- (2) GbE ports (2x Intel® 82574L)
- Onboard BMC w/ IPMI and iKVM support
- (1) EPS1U Full-range AC (100-240V) 500W PSU, 80-PLUS Gold (B7040G20AV4H)



GT20A-B7040

B7040G20AV4H

TYAN
Specifications

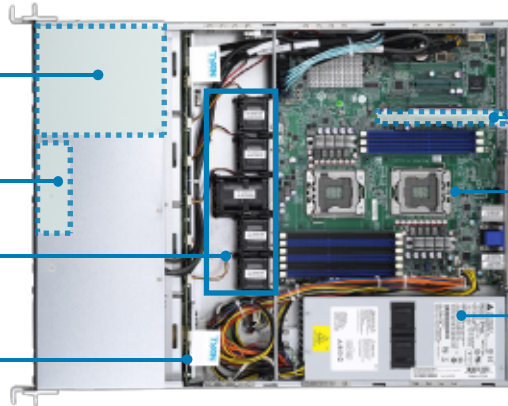
Top View

Slim-type DVD-ROM Drive
(Opt.)

M1008 (R04)
Integrated front panel board

Easy-swap System FANS
(4) 4028 + (1) 4056

M1235
Integrated FAN board &
4-port SAS/SATA 6G
HDD backplane board



M2210-L8-1F
Provide (1) half-height
PCI-E (Gen. 3) x8 slot

S7040GM2NR
(2) LGA1356 sockets (B2)
(6+3) R-DDR3 1600/1333/1066MHz
Max.288GB , (2) GbE ports

EPS1U 500W PSU
80-PLUS Gold



System	Form Factor	1U Rackmount
	Chassis Name	GT20A
	Dimension (D x W x H)	22.4" x 1.72" x 17.2" (568.96 x 43.6 x 436mm)
	Motherboard	S7040GM2NR-1U-B
Front Panel	Gross Weight	17 kg
	Buttons	(1) PWR / (1) RST / (1) NMI / (1) ID
	LEDs	(1) HDD / (1) ID / (1) Warning / (2) LAN
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" or 2.5" Hot-Swap / (4)
	HDD backplane support	SAS / SATA 6.0Gb/s
System Cooling Configuration	FAN	(4) 4028 + (1) 4056 fans
	Type	EPS1U
Power Supply	Input Range	100-127V /8A 200-240V/ 4A
	Frequency	50/60 Hertz
	Output Watts	500 Watts
	Efficiency	80-PLUS Gold
	Supported CPU Series	Intel Xeon Processor E5-2400 series
Processor	Socket Type / Q'ty	LGA1356 / (2)
	Average CPU Power (ACP) wattage	Max up to 95W
	System Bus	Up to 8.0/ 7.2/ 6.4 GT/s with Intel QuickPath Interconnect (QPI) support
	Chipset	INTEL C602
Memory	Super I/O	-
	Supported DIMM Qty	(6+3) DIMM slots
	DIMM Type / Speed	LRDIMM ECC 1333/1066 memory R-DDR3 ECC 1600/1333/1066 memory U-DDR3 ECC 1333/1066 memory
	Capacity	up to 288GB LRDIMM / 144GB RDIMM / 72GB UDIMM
	Memory channel	3 Channels per CPU / Support 2 R/LR-DIMMs or 2 UDIMMs per channel (CPU 0) / Support 1 R/LR-DIMMs or 1 UDIMMs per channel (CPU 1)
Memory voltage	1.5V/ 1.35V	

Expansion Slots	Recommended TYAN Riser Card	M2210-L8-1F, PCI-E Gen3 x8 slot (left)
LAN	Port Q'ty	(2) GbE ports (B7040G20AV4H)
	Controller	Intel® 82574L
Graphic	Connector type	D-Sub 15-pin
	Chipset	Aspeed AST2300
Input / Output	USB	(6) USB2.0 ports (4 at rear,2 at front)
	COM	(1) port (rear)
	VGA	(1) D-Sub 15-pin (rear)
	RJ-45	(2) GbE ports
System Monitoring	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
Server Management	Onboard Chipset	Onboard Aspeed AST2300
	AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2300 iKVM Feature	24-bit high quality video compression / 10/100/1000 Mb/s MAC interface
BIOS	Brand / ROM size	AMI / 8MB
	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
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 Compliant	Yes

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

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