

1U1S AMD CLOUD SERVER



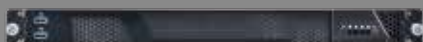
Transport CX GX40-B8016

B8016G40V4

AMD
EPYC



Front View



- (2) Internal Fixed 2.5" SATA 6G SSDs /
- (2) Internal Fixed 3.5" SATA 6G HDDs

Back View



- (1) 300W PSU, 80+ Gold

Raphael cost-effective server platform for front-end server

- AMD Socket AM5
- (1) AMD EPYC 4004 Processor / (1) AMD Ryzen 7000 Processor
- (4) DDR5 DIMM slots, Support up to 128GB DDR5 ECC UDIMM & non-ECC 4800
- (1) PCIe Gen.5 slot
- (2) GbE + (1) IPMI ports
- Onboard BMC w/ IPMI and iKVM support
- 300 Watts 80 plus Gold

Summary Table

SKU	Motherboard	Storage
B8016G40V4	S8016GM2NR-1U	(2) Fixed 2.5" SATA 6G SSD / (2) Fixed 3.5" SATA 6G HDD / (2) M.2

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TYAN
Specifications

Top View

Internal Drive Bay
(1) Fixed 2.5" SATA 6G SSDs
+ (1) Fixed 3.5" SATA 6G HDDs

System Fan
(3) 4028 fans

Internal Drive Bay
(1) Fixed 2.5" SATA 6G SSDs
+ (1) Fixed 3.5" SATA 6G HDDs

Expansion Slots
(1) PCI-E Gen.5 x16 for (1) M2099

Power Supply Unit
800 Watts 80 plus Gold



System	Form Factor	1U Rackmount
	Chassis Name	GX40
	Dimension (D x W x H)	16.1" x 19" x 1.75" (400 x 438.5 x 43.2mm)
Front Panel	Buttons	(1) PWR / (1) RST
	LEDs	(1) PWR / (1) HDD
	I/O Ports	(2) USB 3.1 Gen.1 ports
External Drive Bay	Q'ty / Type	(2) Fixed 2.5" SATA 6G SSD / (2) Fixed 3.5" SATA 6G HDD
	Front Drive Bay Interface	(4) SATA 6Gb/s
	Front HDD Backplane Support	SATA 6Gb/s
System Cooling Configuration	Fan	(3) 4028 fans
	Type	FlexATX
Power Supply	Input Range	AC 100-240V/6-3A
	Efficiency	80 plus Gold
	Output Watts	300 Watts
Processor	Q'ty / Socket Type	(1) AMD Socket AM5
	Supported CPU Series	(1) AMD EPYC 4004 Processor / (1) AMD Ryzen 7000 Processor
	Thermal Design Power Wattage	Max up to 105W (TDP)
Chipset	PCH	AMD B650E FCH
Memory	Supported DIMM Q'ty	(4) DIMM slots
	DIMM Type / Speed	DDR5 ECC UDIMM & non-ECC 4800
	Capacity	Up to 128GB UDIMM
	Memory channel	2 Channels per CPU
Expansion Slots	Memory voltage	1.1V
	PCIe	(1) PCIe Gen.5 x16 slot
	Pre-installed TYAN Riser Card (PCIe Gen.5)	(1) M2099
LAN	Port Q'ty	(2) GbE ports + (1) GbE dedicated for IPMI
	Controller	Intel I210-AT
	PHY	Realtek RTL8211F
Storage SATA	Connector	(4) SATA
	Controller	AMD B650
	Speed	6Gb/s
RAID		AMD RAID

Storage NVMe	Connector (M.2)	(2) 2280 (by PCIe 4.0 interface)
	Connector type	D-Sub 15-pin
Graphic	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2600
Input /Output	USB	(1) USB3.1 Gen.1 header / (4) USB3.2 Gen.1 ports
	VGA	(1) D-Sub 15-pin port / (2) Display ports
	RJ-45	(2) GbE ports + (1) dedicated GbE for IPMI
TPM (Optional)	Button	Power Button / Reset Button
	TPM Support Interface	Please refer to our TPM supported list. SPI
System Monitoring	Chipset	Aspeed AST2600
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
Server Management	LED (On system front panel)	Over temperature warning indicator / Fan & PSU fail LED indicator
	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
BIOS	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 32MB
Operating System	Feature	Console Redirection / ACPI sleeping states S0,S5,S3
	OS supported list	Please refer to our AVL support lists.
Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	CB/LVD	Yes
	RCM	Yes
	VCCI	Yes
Operating Environment	BSMI	Yes
	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 Complaint	Yes

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

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