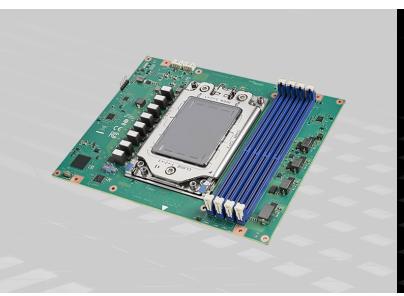# HIPER Global

AMD® EPYC™

COM-HPC MODULE WITH AMD® EPYC™ PROCESSOR

PART NUMBER: AMD-A-HPCMOD

- COM-HPC® server size E module with proprietary pinout
- Up to 64C/225W AMD® EPYC™ 7003 real server grade CPU with extreme performance
- Up to 512GB large memory size with 4x DDR4 long DIMM
- 79 PCIe Gen4 lanes
- Supports iManager, embedded software APIs, WISE-DeviceOn, and IPMB

SPECIFICATION

Form Factor	Form Factor	COM-HPC® Size E
	Pin-out Type	COM-HPC® Server (Proprietary Pinout)
Processor System	CPU	AMD EPYC 7003
	Core Number	Up to 64C/128T
	Socket Type	Socket SP3 (LGA 4094)
	Platform Controller Hub	SOC
	BIOS	AMI UEFI 128Mbit
Memory	Technology	DDR4
	Frequency	3200MHz
	ECC Support	Yes
	Max. Capacity	512GB
	Socket	4 x RDIMM, 1 DPC, 3200 MT/s, max DIMM capacity 64GB, up to 256GB
		4 x LRDIMM, 1 DPC, 3200 MT/s, max DIMM capacity 128GB, up to 512GB
Expansion	PCI Express	4 PCIe x16, 64 lanes, Gen4 (Bitfurcate to x16, x8, x4)
		14 PCIe x1, 14 lanes, Gen4, extra using for KR and RSVD signals (proprietary)
		1 PCIe x1, Gen 4 for BMC (COM-HPC standard), total 79 PCIe lanes
Serial Bus	SMBus	1 (SOC or EC)
	I2C Bus	1
Ethernet	Gigabit	Intel I225; 10M/100M/1000M/2.5Gbps
I/O	SATA3.0	2
	USB 3.2 Gen1	4
	USB 2.0	4
	SPI Bus	1
	GPIO	12-bits GPIO
	LPC	1
	Watchdog	65536 level, 0 ~ 65535 sec
	COM Port	2 Ports (4-Wire)
	TPM	TPM2.0
	Smart Fan	2 Ports: 1 port on COM-HPC® module (4 pins); 1 port on carrier board (3 pins)
Power	Type	ATX: Vin, VSB; AT: Vin
	Supply Voltage	Vin: 12V (± 5%); VSB: 5V (± 5%), RTC Battery: 2.0V ~ 3.3V

	Power Consumption (Max.)	261.34W@12V (AMD EPYC 7713P with 512GB RDIMM 3200)
	Power Consumption (Idle)	39.39W@12V (AMD EPYC 7713P with 512GB RDIMM 3200)
Environment	Temperature	Operating Standard: 0 ~ 60 °C (32 ~ 140 °F)
		Storage: 0 ~ 60 °C (32 ~ 140 °F)
	Humidity	Operating: 40 °C @ 95% relative humidity, non-condensing
		Storage: 60 °C @ 95% relative humidity, non-condensing
	Vibration Resistance	3.5G, 5~500Hz X/Y/Z Axis
Mechanical	Dimensions	200 x 160 mm

The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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