AMD Dual-Socket Motherboard Specifications

1. Product Type
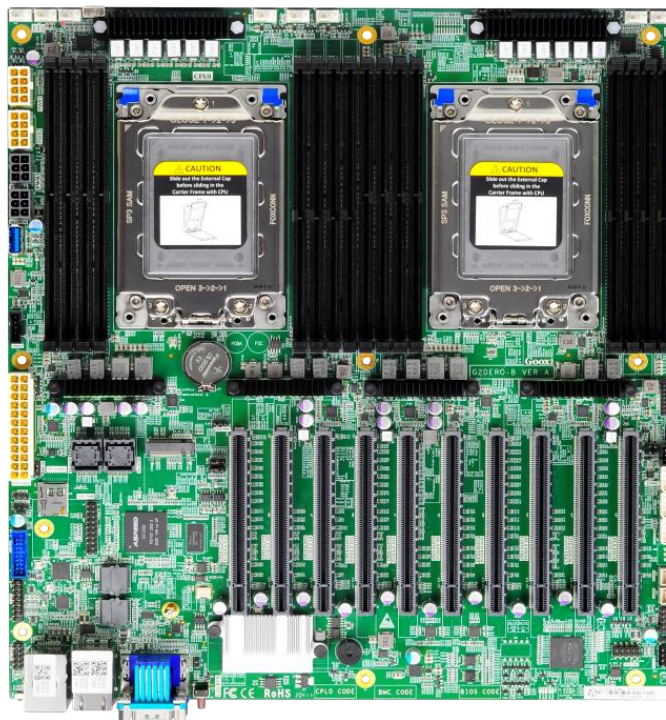
Dual-socket standard E-ATX motherboard
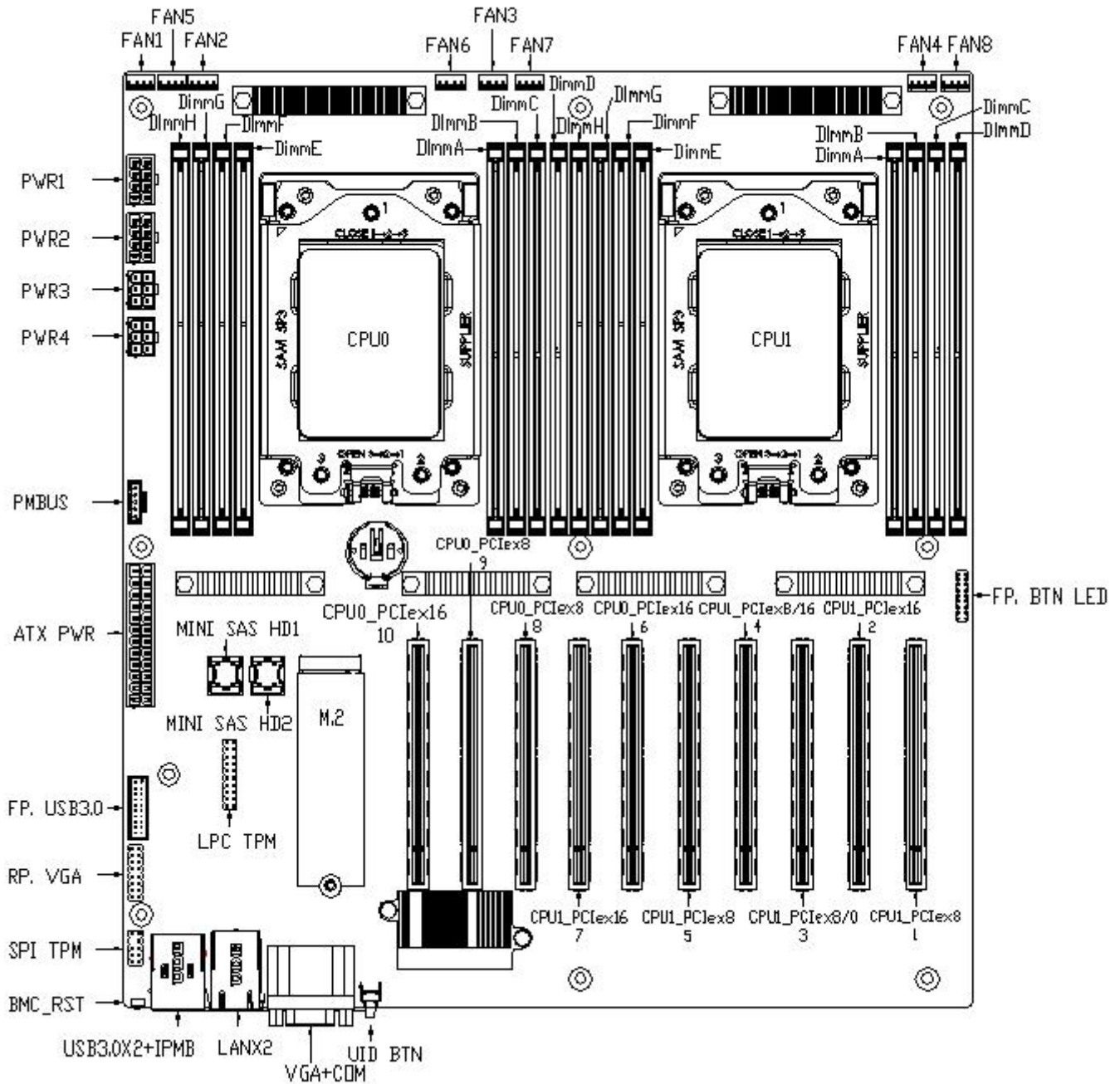
2. Product Introduction

Gooxi self-developed AMD dual-socket standard motherboard (G2DERO-B) is a standard E-ATX server motherboard. Supports 2 AMD EPYC 7003 (Milan) series, compatible with 7002 (Rome) series and 7001 (Naples) series. 16 DIMM DDR4 memory slots, onboard 1 M.2 port, two 1Gigabyte Ethernet ports, 1 RJ45 management network port, 10 PCIe4.0/3.0 expansion slots, suitable for artificial intelligence, virtualization, cloud computing, big data processing, distributed storage, enterprise market and telecom applications.

3. Features

◆ 2 high-performance AMD EPYC 7003/7002/7001 series processors
◆ 10 PCIe high-speed expansion slots to provide rich expansion strength
◆ 16 DIMM DDR4 memory slots, the maximum frequency supports 2933MHz

4. Product Pictures

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Note: The product pictures are for reference only, please refer to the actual product

5. Product Parameters

Product series	**G2DERO-B** (PCIe3.0)	**G2DERO-B** (PCIe4.0)
Product type	E-ATX standard motherboard	E-ATX standard motherboard
Size	304.8mm(L)*335.7mm(W)	
processor*	Support two AMD EPYC 7003 series (Milan series); Compatible with AMD EPYC 7002 series (Rome series) processors, AMD EPYC 7001 series (Naples series)	
Memory	16 DDR4 memory slots, support 2133/2400/2666/2933 memory	

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Internal storage interface	M.2 (PCIe x4) interface, 2x MiniSAS HD interfaces
External port	1 VGA, 1 COM port, 2 USB3.0, 1 management network port, 2 RJ45 network ports
	10* PCIe half-height slots
Power interface	Standard 24pin ATX power input + 2* 8pin power connectors
PCIE extended form*	Support 6 PCIe 4.0/3.0x8 and 4 PCIe 4.0/3.0x16
Safety	TPM module
Fan	8* 4pin fan ports
IPMI	IPMI2.0
Management port	1 RJ45 management network port
Certification	CCC
RoHS	RoHS2.0
Operating temperature and humidity	Temperature 5℃～35℃/ Humidity 20%～80%RH non-condensing
Storage temperature and humidity	Short-term storage (≤72H): temperature -40℃～70℃/ humidity 20%～90%RH non-condensing (including packaging) Long-term storage (>72H): temperature 20℃～28℃/ humidity 30%～70%RH non-condensing (including packaging)

* The corresponding firmware needs to be flashed when installing AMD Milan/Rome/Naples series CPU
* Optional PCIe 3.0/4.0

6. Ordering Information

Type	PN	Model	Description
Motherboard	22200368 1.21.222.0368	G2DERO-B (PCIe 4.0)	Gooxi self-developed AMD dual-socket E-ATX motherboard, supports 2 AMD7003/7002/7001 full-series CPUs, 16* DDR4 memory slots, 2* MiniSAS interfaces, 1* M.2 interface, onboard 2* 1Gigabit Ethernet ports,1* IPMI independent management network port, 1* VGA, 1* serial port, 10* PCIe 4.0
Motherboard	22200368L 1.21.223.0368	G2DERO-B (PCIe 3.0)	Gooxi self-developed AMD dual-socket E-ATX motherboard, supports 2 AMD7003/7002/7001 full-series CPUs, 16* DDR4 memory slots, 2* MiniSAS interfaces, 1* M.2 interface, onboard 2* 1Gigabit Ethernet ports,1* IPMI independent management network port, 1* VGA, 1* serial port, 10* PCIe 3.0

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Optional Accessories			
IO blank	30990503 4.02.003.0048	MD-G2DERO-IO	G2DERO-B motherboard IO block, 1 RJ45+2 USB, 2 RJ45, 1 VGA+1 serial port