

AMD Single-Socket EEB Motherboard Specifications

1. Product Type

Single-socket standard E-ATX motherboard

2. Product Introduction

Gooxi self-developed AMD single-socket standard motherboard (G2SERO-B) is a standard E-ATX server motherboard. Supports 1 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

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

4. Product Pictures



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

5. Product Parameters

Product series	G2SERO-B (PCIe3.0)	G2SERO-B (PCIe4.0)
Product type	E-ATX standard motherboard	E-ATX standard motherboard
Size	304.8mm(L)*335.7mm(W)	
Processor	Support one 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	
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 slots	
Power supply	Standard 24pin ATX power input + 2* 8pin power connectors	
*PCIe extension 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°C~35°C/ Humidity 20%~80%RH non-condensing	
Storage temperature and humidity	Short-term storage (≤72H): temperature -40°C~70°C/ humidity 20%~90%RH non-condensing (including packaging) Long-term storage (>72H): temperature 20°C~28°C/ 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	22200369 1.21.222.0369	G2SERO-B (PCIe 4.0)	Gooxi self-developed AMD single-socket E-ATX motherboard, supports single AMD 7003/7002/7001 CPU, 16 DDR4 memory, 2 Mini SAS HD interfaces, 1 M.2 interface, 2* Gigabit Ethernet ports, 1* IPMI independent management network port, 10 PCIe4.0
Motherboard	22200369L	G2SERO-B	Gooxi self-developed AMD single-socket E-ATX

	1.21.223.0369	(PCIe 3.0)	motherboard, supports single AMD 7003/7002/7001 CPU, 16 DDR4 memory, 2 Mini SAS HD interfaces, 1 M.2 interface, 2* Gigabit Ethernet ports, 1* IPMI independent management network port, 10 PCIe 3.0
Optional Accessories			
IO blank	30990503 4.02.003.0048	MD-G2DERO-IO	G2SERO-B motherboard IO block, 1 RJ45+2 USB, 2 RJ45, 1 VGA+1 serial port