

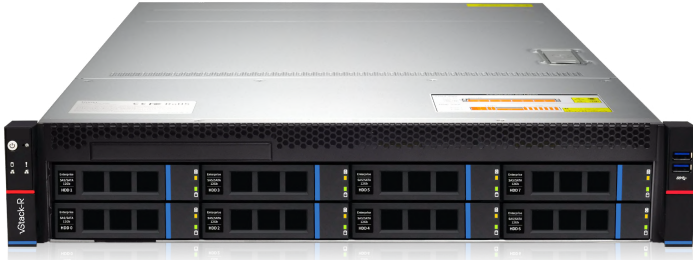
vStack-R

vStack-R-ASR201-S08R/-NV



2U Rackmount server

PCIe Expanded Mode 1



PCIe Expanded Mode 2



PCIe Expanded Mode 3



PRODUCT OVERVIEW









vStack-R 2U AMD Single Socket Standard Server, adopts vStack-R self-developed G2SERO-B motherboard and supports the standard EPYC 7003(Milan), 7002(Rome) and 7001(Naples) series, 16 DIMM DDR4 memory slots, on-board 1 M.2 port, 2 Gigabit LAN ports, 1 RJ45 management LAN port and 10 PCIe4.0 expansion slots are suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market or telecom business applications.

- 01 1 high-performance AMD EPYC 7003/7002/7001 series processor
- 02 Multi-modular rear window to meet the needs of multiple combinations
- 03 Support 10 PCIe high-speed expansion slots to provide rich expansion performance
- 04 Support 8 P4/T4 graphics cards or 2 high-performance GPU cards to meet the needs of high computing
- 05 Support 16 RECC DDR4 memory slots, maximum frequency of 2933MHz and the overall maximum memory capacity of 4TB

REMOTE CONTROL

All vStack-R servers are equipped with an integrated Baseboard Management Controller (BMC) that supports Remote Management and Monitoring IPMI 2.0.

The operation of BMC does not depend on the operating system of the server and provides the following features through a dedicated 1Gb RJ45 port:

Configure server hardware settings, including BIOS and hardware RAID	
Real-time system status monitoring	
KVM over IP - remote access to the server's graphical console	
Virtual Media - remote connection of virtual media (CD / DVD images) to the server	
Power management: turn on, turn off, reboot	
Display of indications of temperature sensors	
Secure access via SSL	
Multi-user access, including integration with Active Directory	

Host Online

Quick Link...

- Dashboard
- Sensor
- System Inventory
- FRU Information
- Logs & Reports
- Settings
- Remote Control
- Image Redirection
- Maintenance
- Sign out

System Inventory System Inventory Information

Home > System Inventory

System Inventory Information

- Click on a component to view its detailed information.
- This page only show the component of CPU, DIMM and PCIE.

Block Diagram Layout View

CPU
 Active DIMM/PCI Slots
 Inactive DIMM/PCI Slots

The diagram illustrates the system inventory for two CPUs, CPU_0 and CPU_1. CPU_0 is connected to Channel_A through Channel_F. Channel_A is connected to RISER1 X16/X8 SLOT1 and RISER1 X8 SLOT3. Channel_B is connected to OCP 3.0. Channel_C is connected to RISER1 X8 SLOT2. Channel_D is connected to RISER2 X8 SLOT3. Channel_E and Channel_F are connected to PCI E PCH M.2 1 and PCI E PCH M.2 2 respectively. CPU_1 is connected to Channel_A through Channel_F. Channel_A is connected to RISER3 SLOT2. Channel_B is connected to RISER3 SLOT1. Channel_C is connected to RISER2 X16/X8 SLOT1. Channel_D is connected to RISER2 X8 SLOT2. Channel_E and Channel_F are connected to PCI Express Slim 1 and PCI Express Slim 2 respectively. All DIMM_1 slots are shown as inactive (light gray).

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Dashboard Control Panel

Home > Dashboard

5 d 9 hrs
HOST Running Time Since Last BMC FW Upgrade

16
Pending Deassertions

2
Access Logs

Firmware Information

BMC Firmware Revision
1.18.010000

BMC Firmware Build Time
Apr 22 2022 15:24:19 CST

BIOS Revision
801

BIOS Name
G3DCL

BIOS Firmware Build Time
12/19/2022 09:41:05

CPLD Revision
15

CPLD Name
G3DCL

CPLD Build Time
12/10/2020

Network Information

Host System

System LAN MAC Address1
00:24:ecf3:6a:1a

System LAN MAC Address2
00:24:ecf3:6a:1b

System LAN MAC Address3
00:24:ecf4:a0:b4

System LAN MAC Address4
00:24:ecf4:a0:b5

BMC Network Interface
Aggregated Network Interface

00:24:EC:F4:A0:B2

IPv4 Network Mode
Static

IPv4 Address
10.71.17.31

Sensor Monitoring

All sensors are good now!

Currently recovered




Product series	ASR201-S08R/NV	ASR201-S12RE/NV	ASR201-S25RE
Product type	2U8-bay	2U12-bay	2U25-bay
System size	695*433.4*87.6mm (D*W*H)		
Processor	1 AMD EPYC 7003 (Milan) series processorCompatible with AMD EPYC 7002 (Rome) and AMD EPYC 7001 (Naples) series		
Memory	16 DDR4 memory slots, support LRDIMM/RDIMM 2133/2400/2666/2933 MHz memories. Maximum per DIMM is 256GB, whole server supports 4TB capacity		
Internal storage	1 M.2 port, 2 MiniSAS HD ports		
External hard drive	Front 8 hot-swap 3.5"/2.5"SAS/SATA/U.2 hard disks; Rear (optional) 1*2×2.5" hard disk module	Front 12 hot-swap 3.5"/2.5" SAS/SATA/ U.2 hard disks; Rear (optional) 1*2×2.5" hard disk module	Front 25 hot-swap 2.5"SAS/SATA hard disks; Rear (optional) 1*2×2.5" hard disk module
External port	Front port: 1 VGA, 2 USB3.0		
External port	Rear port: 1 VGA, 1 COM port, 2 USB3.0, 1 management LAN port, 2 RJ45 LAN ports		
*PCIe type	Configuration 1: horizontal rotation of 4 full-height + 2 half-height PCIe slots Configuration 2: 10 PCIe half-height slots Configuration 3: horizontal rotation of 2 full-height + 9 half-height PCIe slots Configuration 4: horizontal rotation of 2 full-height + 3 half-height PCIe slots		
PCIe spec	6 PCIe x 8 and 4* PCIe x16		
Safety	TPM module		
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2200W redundant PSU (adapted based on actualpower) High-voltage DC 240V~336V 550W, 800W, 1300W redundant PSU Low-voltage DC -48V 550W, 800W, 1300W redundant PSU		
Fan	4* 8038 hot-swap N+1 redundant fans, optional 4* 8056 hot-swap N+1 redundant fans		
IPMI	IPMI 2.0		
Management port	1 RJ45 management LAN port		

PRODUCT PARAMETERS

Product series	ASR201-S08R/NV	ASR201-S12RE/NV	ASR201-S25RE
Certification	CCC		
RoHS	RoHS2.0		
Operating temperature & humidity	Temperature: 5°C~35°C Humidity: 20%~80% RH non-condensing		
Storage temperature & humidity	Short-time storage (≤72H): temperature -40°C~70°C/ humidity 20%~90% RH non-condensing (including packaging) Long-time storage (>72H): temperature 20°C~28°C/ humidity 30%~70% RH non-condensing (including packaging)		

ORDERING INFORMATION

Model	Description
vStack-R ASR201-S12RE1	AMD single-socket 16 DIMMs, 12-bay. The rear of the system supports horizontal rotation of 2 high-performance GPU cards and 2 half-height PCIe slots
vStack-R ASR201-S12RE2	AMD single-socket 16 DIMMs, 12-bay. The rear of the system supports 10 half-height PCIe slots
vStack-R ASR201-S12RE3	AMD single-socket 16 DIMMs, 12-bay. The rear of the system supports horizontal rotation of 1 high-performance GPU card and 9 half-height PCIe slots
vStack-R ASR201-S12RE4	AMD single-socket 16 DIMMs, 12-bay. The rear of the system supports horizontal rotation of 1 high-performance GPU card and 3 half-height PCIe slots
vStack-R ASR201-S08R1	AMD single-socket 16 DIMMs, 8-bay. The rear of the system supports horizontal rotation of 2 high-performance GPU cards and 2 half-height PCIe slots
vStack-R ASR201-S08R2	AMD single-socket 16 DIMMs, 8-bay. The rear of the system supports 10 half-height PCIe slots
vStack-R ASR201-S08R3	AMD single-socket 16 DIMMs, 8-bay. The rear of the system supports horizontal rotation of 1 high-performance GPU card and 9 half-height PCIe slots
vStack-R ASR201-S08R4	AMD single-socket 16 DIMMs, 8-bay. The rear of the system supports horizontal rotation of 1 high-performance GPU card and 3 half-height PCIe slots

Main options	
Remote technical support Customer may contact by web on a 24/7/365 basis to report an issue.	
Second Line Support 10 a.m. to 18 p.m. (UTC+3), Monday through Friday.	
Replacement parts delivery Delivers within the Next business day.	
Software support Provides access to all patches and software upgrades	