

vStack-R

vStack-R- SR201-D12RE



2U rack server



Front View of 2U 8-bay Model



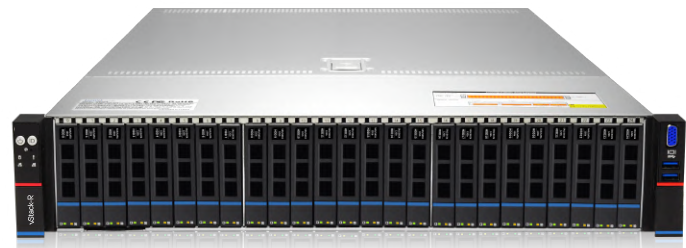
Rear View of 10 PCIe Slots



Front View of 2U 12-bay Model



Rear View of Rear 2.5-inch Module



Front View of 2U 25-bay Model



Rear View Rear 3.5-inch Module

PRODUCT OVERVIEW









vStack-R 2U AMD dual-socket high-end server, adopts vStack-R self-developed G1DLRO-B motherboard, supports AMD EPYC 7003 (Milan) series, 7002 (Rome) series and 7001 (Naples) series, 32 DIMM DDR 4 memory slots, onboard 2 M.2 ports, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 11 PCIe expansion slots, suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market and telecom applications.

- 01 2 high-performance AMD EPYC 7003/ 7002/ 7001 series processors
- 02 32 RECC DDR4 memory slots, the maximum frequency supports 3200 MHz
- 03 Various combinations of PCIe and hard drives
- 04 Up to 11 PCIe expansions, can support 2 double-width, full-height, full-length GPU cards

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	

System Inventory System Inventory Information

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

Legend:

- CPU
- Active DIMM/PCI Slots
- Inactive DIMM/PCI Slots

Channel	Slot	Component	Status
Channel_A	RISER1 X16/X8 SLOT1	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT3	Intel(R) Ethernet Controller G33	Active
	OCP 3.0	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT2	N/A	Inactive
	RISER2 X8 SLOT3	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
Channel_B	RISER3 SLOT2	N/A	Inactive
	RISER3 SLOT1	N/A	Inactive
	RISER2 X16/X8 SLOT1	N/A	Inactive
	RISER2 X8 SLOT2	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
	PCI Express Slim 2	N/A	Inactive
Channel_C	RISER1 X16/X8 SLOT1	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT3	Intel(R) Ethernet Controller G33	Active
	OCP 3.0	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT2	N/A	Inactive
	RISER2 X8 SLOT3	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
Channel_D	RISER3 SLOT2	N/A	Inactive
	RISER3 SLOT1	N/A	Inactive
	RISER2 X16/X8 SLOT1	N/A	Inactive
	RISER2 X8 SLOT2	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
	PCI Express Slim 2	N/A	Inactive
Channel_E	RISER1 X16/X8 SLOT1	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT3	Intel(R) Ethernet Controller G33	Active
	OCP 3.0	Intel(R) Ethernet Controller G33	Active
	RISER1 X8 SLOT2	N/A	Inactive
	RISER2 X8 SLOT3	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
Channel_F	RISER3 SLOT2	N/A	Inactive
	RISER3 SLOT1	N/A	Inactive
	RISER2 X16/X8 SLOT1	N/A	Inactive
	RISER2 X8 SLOT2	N/A	Inactive
	PCI Express Slim 1	N/A	Inactive
	PCI Express Slim 2	N/A	Inactive

Dashboard Control Panel

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 PARAMETERS




Product series	SL201-D08R-R SL201-D08R-NV	SL201-D12R SL201-D12RE SL201-D12R-NV	SL201-D25RE
Product type	2U 8 bays	2U 12 bays	2U 25 bays
System size	748*433.4*87.6mm (D*W*H)		
Processor	Support 2 AMD EPYC 7003 series (Milan) processors; *Compatible with AMD EPYC 7002 series (Rome) and AMD EPYC 7001 series (Naples)		
Memory	32 DDR4 memory slots, support 2666/2933/3200MHz DDR4 memory		
Internal storage interface	4 SATA (2 of them support SATA DOM), 2 M.2 (NVMe) ports, 3 MiniSAS HD interfaces		
External hard drive	Front 8 hot-swap 3.5/2.5-inch SAS/ SATA/U.2 hard drives; Rear optional 2 *2×3.5- inch SAS/SATA or 2*2 × 2.5-inch SAS/SATA/ U.2 harddrives	Front 12 hot-swap 3.5/2.5-inch SAS/ SATA/U.2 hard drives; Rear optional 2* 2×3.5-inch SAS/SATA or 2* 2× 2.5-inch SAS/ SATA/U.2 hard drives	Front 25* hot-swap 2.5-inch SAS/SATA hard drives; Rear optional 2* 2×3.5inch hard drive modules or 2*2×2.5inch hard drive modules
External port	Front port: 1 VGA, 2USB3.0		
External port	Rear port: 1 VGA, 1 COM port, 2USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports		
PCIe expansion form	Support 6 PCIe full-height slots, 4* PCIe half-height slots, 1* OCP 3.0 slot		
PCIe expansion specification	Riser 1/Riser 2: 2 PCIe x 16 or 1* PCIe x 16, 2* PCIe x 8 or 3* PCIe x8 Riser 3: 1* PCIe x 16 or 2* PCIe x8 Riser 4: 1* PCIe x 16 or 2* PCIe x8		
Safety	TPM module		
Power supply	Support 550W, 800W, 1300W, 1600W, 2200 W redundant power supply (adapt according to actual power)		
Fan	Standard 4* 8038 hot-swap N+1 redundant fans, optional 8056 hot-swap N+1 redundant fans		
IPMI	IPMI2.0		

PRODUCT PARAMETERS

Product series	SL201-D08R-R SL201-D08R-NV	SL201-D12R SL201-D12RE SL201-D12R-NV	SL201-D25RE
Management port	1 dedicated RJ45 management network port		
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 SR201-D08R	Dual-socket AMD platform 2U 8-bay model, passive backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
vStack-R SL201-D08R-NV	Dual-socket AMD platform 2U 8-bay model, NVMe passive backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
vStack-R SL201-D12R	Dual-socket AMD platform 2U 12-bay model, passive backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
vStack-R SL201-D12R E	Dual-socket AMD platform 2U 12-bay model, active backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
vStack-R SL201-D12R-NV	Dual-socket AMD platform 2U 12-bay model, NVMe passive backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
vStack-R SL201-D25R E	Dual-socket AMD platform 2U 25-bay model, active backplane, rear 3* PCIe3.0 x8 Riser cards; standard 550W redundant power supply
Note: The above barebones are equipped with PCIe3.0 motherboard, PCIe 4.0 needs to be equipped separately	

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	