

vStack-R

# vStack-R-SL101-D10R/-NV-G3



# 1U rackmount server



Front View of 1U 4-bay Model



Front View of 1U 10-bay Model



Rear View of 1U Model

## PRODUCT OVERVIEW

vStack-R 1U dual-socket high-end standard server adopts vStack-R G4DCL-B motherboard and supports 1 or 2 Gen3 Intel® Xeon® Scalable series processors, 32 DIMM DDR4 memory slots, on-board 2 M.2 ports, 2 Gigabit LAN ports, 1 RJ45 management LAN port and 3 PCIe3.0/PCIe4.0 expansion slots. Fits virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market and telecom applications.

## PRODUCT FEATURES

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- 01 1 or 2 Gen3 Intel® Xeon® Scalable, up to 205W TDP

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  - 02 Up to 32 DDR4 slots, frequency 2666/2933/3200MHz

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  - 03 On-board 2\* NVMe PCIe 4.0 M.2 ports

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  - 04 Modular design, multiple combinations of PCIe & hard drive

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  - 05 3\* PCIe3.0 expansion slots

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	Component	Status
Channel_A	RISER1 X16/X8 SLOT1	Active
	RISER1 X8 SLOT3	Active
	OCPC 3.0	Active
	RISER1 X8 SLOT2	Inactive
	RISER2 X8 SLOT3	Inactive
	PCI PCH M.2 1	Inactive
Channel_B	RISER3 SLOT2	Inactive
	RISER3 SLOT1	Inactive
	RISER2 X16/X8 SLOT1	Inactive
	RISER2 X8 SLOT2	Inactive
	PCI Express Slim 1	Inactive
	PCI Express Slim 2	Inactive
Channel_C		
Channel_D		
Channel_E		
Channel_F		

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:ec:f3:6a:1a
System LAN MAC Address2	00:24:ec:f3:6a:1b
System LAN MAC Address3	00:24:ec:f4:a0:b4
System LAN MAC Address4	00:24:ec:f4: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	SL101-D04R-G3	SL101-D10R-G3, SL101-D10R-NV-G3
Product type	1U 4-bay	1U 10-bay
Dimensions	748*433.4*43.6mm (D*W*H)	
Processor	Support 1 or 2 Gen3 Intel® Xeon® Scalable processors; up to 205W TDP	
Memory	32* DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200 MHz	
Inner storage port	3* Mini SAS HD ports, 2* SATA DOM, 2 NVMe PCIe 4.0 M.2 ports (size 2280)	
External hard drive	Front 4* hot-swap 3.5/2.5-inch SAS/SATA hard drives	Front 10* hot-swap 2.5-inch SAS/SATA/NVMe hard drives
External port	Front port: 1* VGA, 2* USB3.0	Front: 2* USB2.0
External port	Rear port: 1* VGA, 1* COM port, 2* USB3.0, 1* RJ45 Gigabit management LAN port, Gigabit RJ45 LAN port	
*PCIe extension type	Up to 2* PCIe full-height, single-width, half-length slots, 1* OCP 3.0 slot	
*PCIe extension	Riser 1: 1*full-height PCIe 4.0 x16. Riser 2: 1*full-height PCIe 4.0 x16 OCP: 1*OCP 3.0 (PCIe 3.0 x8)	
Security	Optional TPM module	
Power supply	Supports AC 220V 550W, 800W, 1300W, 1600W, 2000W and 2200W redundant power supply (adapt based on the actual power)	
Fan	7* 4056 hot-swap N+1 redundant fans	
IPMI	IPMI2.0	
Management port	1* dedicated RJ45 management LAN port	
Authentication	CCC, CE, FCC, ROHS	
Operating environment	Temperature: 5°C~35°C Humidity: 20%~80% RH non-condensing	
Storage environment	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)	

Model	Description
vStack-R SL101-D04R-G3	Dual-socket Whitley platform 1U 4-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
vStack-R SL101-D10R-G3	Dual-socket Whitley platform 1U 10-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
vStack-R SL101-D10R-NV-G3	Dual-socket Whitley platform 1U 10-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply

## VSTACK-R SERVICE SUPPORT – 3 YEARS

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