Storage Server

GIGABYTE's storage servers are designed to offer excellent storage density, configuration flexibility, high availability and reliability features to guarantee data integrity, and user friendly design features for easy deployment and maintenance. They are extremely suitable for:

- **Scale-out software defined storage**

- **Big Data and cloud hosting workloads**

- **Rich media & content storage**

Motherboard

Rack Server

Tower Server

HPC System

Density Optimized

Storage Server

HFT System

Accessory

	S451-3R0	D120-C21
Form Factor	4U (482.6 x 177 x 625mm)	1U (438 x 43.5 x 867mm)
CPU	2 x Intel Xeon Scalable Processor Family TDP up to 205W	Intel Xeon D-1541 Processor 45W TDP
Memory	16 x DIMM slots DDR4 6CH memory architecture RDIMM up to 64GB, LRDIMM up to 64GB 1.2V modules: 2666/ 2400/ 2133MHz	4 x DIMM slots DDR4 2CH memory architecture ECC & non-ECC modules supported RDIMM up to 32GB, UDIMM up to 16GB 1.2V modules: 2400/ 2133/ 1866/ 1600 MHz
LAN	2 x 10GbE SFP+ LAN (QLogic QL41102) 2 x GbE LAN (Intel X722) 1 x GbE MLAN	2 x 10GbE SFP+ LAN (Intel X552) 2 x GbE LAN (Intel I210) 1 x GbE MLAN
Storage	36 x 3.5" SATA/SAS hot-swap HDD 2 x 2.5" SATA hot-swap HDD for booting device - SAS card is required for SAS device support 2 x 7-pin SATA III with SATA DOM supported SAS expander with 12Gb/s transfer speed 1 x VROC connector	16 x 3.5" easy-swap HDD supports SATA III 1 x M.2 (PCIe 3.0 x4, M-key) Software RAID 0, 1, 1E, 10
Expansion Slots	4 x PCIe x16 (3.0 x16) 1 x mezzanine card slot (3.0 x8 + x8) - Optional riser card for OCP mezzanine low profile card slot	1 x PCIe x16 (3.0 x16), LPHL - The slot is occupied by CSA323-G
Rear I/O	2 x USB 3.0 1 x VGA 2 x RJ45 2 x SFP+ 1 x MLAN 1 x ID button with LED 2 x LAN activity LEDs	2 x USB 3.0 3 x RJ45 2 x SFP+ 1 x power button with LED 1 x system status LED
TPM	1 x TPM header	1 x TPM header
Power Supply	2 x 2200W redundant PSUs 80 PLUS Platinum, 100~240V AC	1 x 400W PSU 80 PLUS Gold, 100~240V AC
OS Supported	Windows Server 2012 R2 Update1 Windows Server 2016 RHEL 6.9/ 7.3 SLES 11.4/ 12.2 Ubuntu 16.04.2 LTS VMware ESXi 6.5	Windows Server 2008 R2/ 2012 R2/ 2016 RHEL 7.2 SLES 12 Ubuntu 14.04.2 LTS Fedora 22 CentOS 7.1
Board Management	Aspeed AST2500 management controller Avocent MergePoint IPMI 2.0 web interface	Aspeed AST2400 management controller Avocent MergePoint IPMI 2.0 web interface
Part Numbers	6NS4513R0MR-00	6ND120C21MR-00