

# meta brain<sup>®</sup> server

# NF5476G7

## 4U dual-socket high-density storage rack server

[ Powered by Intel Processors ]



### Product Overview

The NF5476G7 is a 4U dual-socket high-density storage rack server powered by the 4th/5th Gen Intel Xeon Scalable processors. With its compact size, high capacity, flexible I/O, and green and energy-efficient design, the server offers excellent storage capabilities to cater to both existing and future service expansion requirements. Additionally, it supports 60 3.5-inch drives in a 4U space to help save server room space and reduce storage costs, making it an ideal choice for cloud storage, video storage, big data, archiving and other scenarios.

# Applicable Models

Model	Maintenance	Cooling
NF5476-M7-A0-R0-00	Rear I/O	Air cooling
NF5476-M7-A0-F0-00	Front I/O	Air cooling

## Product Features

High storage capacity

■ The server leverages innovative solutions to maximize storage capacity and density. In a 4U space, it can accommodate 60 3.5-inch drive, delivering a remarkable storage capacity of up to 1.4 PB.

Flexible I/O configuration

■ Supports flexible front and rear I/O configurations. The former realizes an innovative cold and hot aisle design in the server room, helping decrease the average fault rate of thermo-sensitive components by over 90% and prolonging their service lifetime by over 300%.

Green and energy-efficient design

■ The power consumption management technology enables you to accurately monitor and control the power consumption of the system in real time, and can lower the overall power consumption by 70% in combination with the HDD hibernation technology (including user-defined deep sleep mode).

## Product Specifications

Item	Description	
Form Factor	4U rack server	
Processor	One or two 4 <sup>th</sup> /5 <sup>th</sup> Gen Intel® Xeon® Scalable processors Up to 64 cores, with a max Turbo frequency of 4.2 GHz 4 UPI links per CPU at up to 20 GT/s per link Up to 385W TDP	
Chipset	Intel C741	
Memory	32x DIMM slots that support up to DDR5 DIMMs (4800/5600 MT/s)	
Storage	Rear I/O	Front I/O
	Up to 60x 3.5-inch hot-swappable SAS/SATA drives 10x 2.5-inch hot-swappable SAS/SATA drives, with up to 8x NVMe drives (optional) 2x M.2 SSDs	Up to 60x 3.5-inch hot-swappable SAS/SATA drives Up to 4x 2.5-inch SAS/SATA/NVMe SSDs 2x M.2 SSDs
I/O Expansion Slot	Up to 7x PCIe slots, including 2 OCP 3.0 slots	Up to 5x PCIe slots, including 1 OCP 3.0 slot
Storage Controller	RAID/SAS controller Onboard PCH that supports 14 SATA connectors Intel onboard NVMe controller and optional Intel NVMe RAID key	
Network	Supports multiple types of network expansion, and 2 hot-swappable OCP 3.0 cards Supports the expansion of PCIe 5.0 expansion cards and smart NICs	
Port	Front: 1x USB 2.0 port, 1x USB 3.0 port, 1x DB15 VGA port, 1x USB type-C port	
	Rear: 2x USB 3.0 ports, 1x DB15 VGA port, 1x COM port (Micro USB), 1x RJ45 management network port	
	Internal: 1x USB 3.0 port	
Fan	Hot-swappable fans with N+1 redundancy	
Power Supply	Supports 1,300W/1,600W/2,000W CRPS power supplies with 1+1/2+2 redundancy	
System Management	Integrated with 1 independent 1,000 Mb/s network port, dedicated to IPMI remote management	
Security	Two-factor authentication, TPM 2.0, intrusion alert, BMC/BIOS redundancy, power capping, etc.	
Operating System	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, etc.	
Dimensions (W × H × D)	447mm × 174.5mm × 850mm	
Weight	89 kg (with all drives installed) (For details, refer to the White Paper)	
Operating Temperature	5°C to 40°C (For details, refer to the White Paper)	