



New H3C UniServer R4900 G3 NFV Infrastructure (NFVI) on Red Hat Enterprise Linux

New H3C has worked with Intel to create an Intel® Select Solution for NFVI using Red Hat Enterprise Linux for workload-optimized performance from Intel® Xeon® Scalable processors.

Intel and New H3C Bring NFVI to Market

Communications service providers (CommSPs) are seeking to change the economics and service deployment agility of their networks by embracing network functions virtualization (NFV)-based services. This network revolution provides the agility and flexibility to support new high-bandwidth applications like 5G and new high device-count services such as Internet of Things.

NFV replaces fixed-function appliances with virtual network functions (VNFs) that run on general-purpose Intel® architecture-based servers. With an NFV server in place, a CommSP can remotely turn up or turn down services in a very short time. Networks can be lower cost through the general-purpose nature of the server as well as the ability to use the server for multiple services.

New H3C has chosen to partner with Intel to verify its UniServer R4900 G3 as an Intel Select Solution for NFVI. This lets users of UniServer R4900 G3 benefit from Intel's experience in the NFV market and get workload-optimized performance from the Intel® Xeon® Scalable processors.

Configuration and Specification

The New H3C UniServer R4900 G3 is a verified Intel Select System for NFVI server that leverages the following components:

Item	Description
Server Name	UniServer R4900 G3
Processor	Intel® Xeon® Platinum 8176 processor
Memory	24x 32 GB DDR4 DIMMs, 2666 MT/s
Network Controller	2x Intel® Ethernet Network Adapter XXV710
Storage (NVMe)	2x Intel® Optane™ DC P4800x 750GB
Storage (SATA)	Intel® SSD Data Center S4510 960GB

Intel QAT	Intel® C627 Chipset with Integrated Intel® QuickAssist Technology + 1x Intel® QuickAssist Adapter 8960/8970
Operating System	Red Hat Enterprise Linux 7.3
OTHER HARDWARE FEATURES	Multiple GPUs, 24 NVMe U.2 SSD, 10 PCIe slots, TCM and chassis intrusion detection, H3C HDM and FIST

The New H3C UniServer R4900 G3 Server is new standard for general purpose servers in datacenters, with industry leading performance enabled by Intel® Xeon® Scalable Processors and various GPGPUs. Its flexible design with 40 HDDs 24 NVMe U.2 SSD and 10 PCIe slots matches extreme scale-out requirements for large datacenter, cloud and virtualization, big data, CRM and ERP.



25SFF R4900 G3



12LFF R4900 G3

Key Benefits

Key benefits of investing in an Intel Select Solution for NFVI from New H3C include:

Faster evaluation: Intel Select Solutions for NFVI tight hardware and software specifications to eliminate guesswork and speed decision-making. IT managers can focus their search on key value-added elements and select an optimal solution quickly.

Fast and easy deployment: Intel Select Solutions for NFVI feature pre-defined settings and rigorous system-wide tuning for efficient pre-deployment testing. IT staff know what to expect up front, which speeds time to service delivery and increases confidence in solution performance.

Workload-optimized performance: Intel Select Solution for NFVI configurations are designed by Intel and its partners to deliver to a performance threshold for the workload and are built on the latest Intel architecture technology including Intel Xeon Scalable platforms.

Learn More

To find out more about the New H3C UniServer R4900 G3, visit:

[New H3C Uniserver R4900 G3 \(Chinese site\)](#)

[New H3C Uniserver R4900 G3 \(Hong Kong site, English language\)](#)

Intel Select Solutions: [intel.com/selectsolutions](https://www.intel.com/selectsolutions)

Intel Select Solutions are supported by the Intel Builders program: [builders.intel.com](https://www.builders.intel.com)

Intel, the Intel logo, Intel Optane, and Xeon are trademarks of Intel Corporation in the U.S. and other countries.