

NXT R1SP^{v1}

Mid/high-end 1U rack server with Intel Xeon Skylake processors



HIGHLIGHTS

PROCESSOR

- Intel Xeon Bronze, Silver, Gold and Platinum CPUs
- Latest Skylake technology
- Up to 3.6GHz CPU clock speed
- Intel C624 server chipset

MEMORY

- Up to 1.5TB DDR4 ECC memory
- 6-channel memory architecture

STORAGE

- 3.5" (4) or 2.5" (8)x hot-swap hard disk drive bays. Also up to 8x NVME U.2 drives (optional)
- RAID level 0, 1, 10 support, with optional HW raid options 0, 1, 5, 6, 10
- Up to 5x USB ports

CONNECTIVITY/EXPANSION

- 2x Intel 10GbE network ports
- 2x PCI-Express Gen3.0 (x16)

CERTIFICATION

- Microsoft Windows server
- Linux (various distributions)
- Virtualisation

EFFICIENCY

- 80PLUS platinum efficient system
- 1100W redundant power supply unit
- Compact rackmount chassis

SUITED TO

- Medium to large business
- Cloud/datacentre
- Data processing business apps
- Embedded applications
- High-end rack server

Speak with a sales representative today, for specification and pricing details for a solution to suit you

Enterprise-class performance technologies

Designed to deliver true enterprise class performance for customers on any budget, this feature and specification rich server system is packed with innovative new server technologies and is perfect for a wide variety of IT challenges.

Powered by the very latest Intel® Xeon® Scalable Skylake processors and the Intel S2600WFT motherboard, this mid-to-high-end server system is built on 100% enterprise grade architecture and delivers heavily on performance, features and stability without compromising on quality or price.

Perfectly suited to memory and bandwidth intensive environments

The R1SP^{v1} is engineered from the ground up to deliver rock solid reliability as standard. Packaged in a compact, rack dense 1U server chassis, this Intel server features four independent hot-swap hard disk drive bays, and supports both 2.5" and 3.5" disk drives.

Configurable with up to 1.5TB of ECC registered DDR4-2666MHz memory using 24x DIMM slots, and dual Intel 10GbE ports (RJ45) the Intel server R1SP^{v1} is perfectly suited to memory and network bandwidth intensive environments, and suits organisations of any size. Available with two PCI-Express generation 3.0 expansion slots and a selection of optional data storage, I/O, RAID and management options; the NXT R1SP^{v1} is the perfect server for any IT requirement.

Supporting up to 48TB of available hard disk storage, using 12TB hard disk drives, the Intel server R1SP^{v1} is very versatile with support for both 7,200 and 10,000rpm SATA 6Gb/s drives (optional SAS hard disk support available with 7,200/10,000/15,000rpm platter rotation speeds) and RAID 0, 1, 10, 5, 6.

Scalable systems, maximum ROI

Intel NXT To Go server solutions are designed to be very scalable, allowing maximum return on investment (ROI). With the R1SP^{v1}'s rackmount design, resourceful CPU architecture and platinum efficient power supply, it also returns an exceptionally low total cost of ownership (TCO).

Featuring Intel Virtualisation Technology for Directed I/O (VT-d), Advanced Encryption Security Instruction Sets (AESNI), Intel Remote Management Module (RMM) Support, Trusted Platform Module 1.2, Intel Matrix Storage and Advanced Management Technologies and Intel's latest server Customisation suite.

Available pre-configured to a wide variety of common and market specific configurations, the Intel server R1SP^{v1} is available from stock NXT To Go with super-fast delivery.

All systems ship with a comprehensive 36 months (3 years) warranty (upgradeable to 5 years), featuring next business day (NBD) engineer on-site support*.

Technical specification

Processor	Intel Xeon processor E5-2600 v4 Dual Socket R3 (LGA 2011-3)
Memory	24x 240-pin DDR4 DIMM sockets Supports up to 1.5TB DDR4 ECC Registered memory 2400MHz ECC DDR4 SDRAM 64GB, 32GB, 16GB, 8GB, 4GB DIMMs available
Graphics/GPU	Integrated 2D Video Controller 15pin D-sub connector
On-board Devices	Intel C612 express server chipset SATA3 via PCH w/ RAID 0, 1, 10 2x Intel 1GbE controllers
Input/output Options	Up to 10x SATA3 (6Gbp/s) ports 2x RJ45 Gigabit Ethernet LAN ports 8x USB ports (3 rear, 5 Internal) 2x COM ports (headers)
Expansion Slots	2x PCI-E 3.0 x16 slots Connector for Intel I/O Expansion Module Connector for Intel Integrated RAID Module
Optional Add-in Devices	Intel RAID controller cards/modules Intel remote management modules (RMM) Intel solid state hard disk drives Intel 1Gbe network interface cards Intel 10Gbe network interface cards Intel TPM module
Chassis/Dimensions	Form Factor: Rackmount – 1U Height: 1.75" (45mm) Width: 16.93" (430mm) Depth: 27.95" (710mm) PSU: 750W Redundant – 80PLUS Platinum Efficient
Drive Bays	Hot-swap: 4x 3.5" or 2.5" SAS/SATA HDD Bays Enterprise SATA HDD only recommended

* Terms and conditions apply. Restrictions apply and available warranty services may vary from country/region to country/region. Please speak with a sales representative for full terms and conditions.



Microsoft



25 and going strong

For more than 25 years, Exertis Hammer has been synonymous with value-add. Originally founded in 1991, Hammer became a subsidiary of Exertis in 2016, subsequently changing its name to Exertis Hammer in 2018. Our approach to storage, servers and end-to-end IT solutions sets us apart, and every element of our business is built upon this ethos.

We thrive on not just meeting, but exceeding the expectations of:

- Our vendors, in how we collaborate with them and develop new opportunities for them.
- Our partners, in the relationships we build, the expertise and diligence we present, and the business advantage we afford them.
- End-users, in the advice and business-enhancing systems our partners' provide, whether fully-bespoke, brand-led, cost-led or anywhere in between.

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