

Note: This data sheet is for informational purposes. It is not a commitment to deliver hardware features or functionality. The development, release and timing of features and functionality described in this document are at the sole discretion of Five9 Network Systems.

FIVE9NS S2405 PCIe Flash Optimized Server



The Five9NS S2405 is a four socket, thirty-two -core, 2RU PCIe flash optimized server. Powered by four Intel E5-4600 series processors and loaded with PCIe expansion slots, this high density system is ideal for next generation data centers requiring high IOPS, energy efficiency, virtualization and ease of management.

HIGHLIGHTS:

- 4 Intel Xeon E5-4600 series processors
- Up to 1 TB memory
- 6 PCIe Gen 3 expansion slots
- 2RU form factor
- **Up to 20TB PCIe Flash storage in 2U!**
- **Compatible with any PCIe flash card, regardless of the power requirements**
- **Up to 450W available power for PCIe flash**
- Redundant power supply
- Remote system management capabilities ideal for central office and other demanding environments
- Easy to scale out as business needs grow



2U High IOPS Server

The Five9NS S2405 is a ground breaking server optimized for applications requiring extreme levels of I/O performance in the smallest footprint possible. The S2405 is an ideal solution for a variety of applications including web serving, database deployments and virtualization. Four of the six PCIe slots have 75W available per slot without any auxiliary power, with an extra 150W auxiliary power available for 2 of the 4 slots (if using the 2 x16 slot configuration).

Specialty Services

Choose from a host of services for the Five9NS S2405 server – including OEM Services -- aimed at helping to architect and integrate a solution quickly and affordably.

The Five9NS Product Lifecycle Management (PLM) service aims to help you proactively manage your product lifecycle. The product lifecycle is matched to your needs, with up to a 5-year product life from the date of contract which can be extended upon request.

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FEATURES	PRODUCT
Form Factor	2U Rack, 29.5" deep
Processors	Four Intel Xeon E5-4600 series (4, 6, or 8 cores)
Processor Sockets	4 (FC-LGA 2011)
Chipset	Intel® C602 PCH
Memory	Up to 1 TB (using RDIMMs), 32 DIMM sockets, DDR3-1600 ECC
I/O Slots	4 PCIe G3 x8 slots (full height, full length, 75W per slot) OR 2 PCIe G3 x16 slots (full height, full length, 225W per slot) 2 PCIe G3 x8 slots (low profile, half length)
RAID Support	SATA: Intel® Patsburg-A PCH Intel RSTe: RAID 0, 1, 10, 5 (Windows) LSI MegaRAID; RAID 0, 1 (Windows/Linux) SATA/SAS: (Optional RAID Adapters) LSI 2008-based: F/W RAID 0, 1, 10, 1E LSI 2108-based: H/W RAID 0, 1, 10, 5, 6, 50, 60 with optional BBU LSI 2208-based: H/W RAID 0, 1, 10, 5, 6, 50, 60 with optional flash cache
Drive Bays	(8) 3.5" SATA/SAS hot-swap hard drive bays
Hard Drives	3.5 inch SAS (15K rpm): 300GB, 450GB, 600GB 2.5 inch SAS (15K rpm): 146GB, 300GB 2.5 inch SAS (10K rpm): 300GB, 450GB, 600GB, 900GB 2.5 inch SATA (7.2K rpm): 250GB, 500GB, 1TB 3.5 inch SAS (7.2K rpm): 500GB, 1TB, 2TB, 3TB 3.5 inch SATA (7.2K rpm): 250GB, 320GB, 500GB, 750GB, 1TB, 1.5TB, 2TB, 3TB
Solid State Drives	2.5 inch SATA (MLC): 60GB, 120GB, 180GB, 240GB, 480GB
Optical Drive	DVD-Multiwriter
System Cooling	(5) 80mm x 38mm fans
Network Interface	4 GbE ports + dedicated GbE management port
InfiniBand Ports	1 Mellanox Connect-X3 FDR 56Gbps (QSFP) port
Legacy Ports	1 PS/2 Keyboard/Mouse port
USB Ports	9 ports (2 front, 6 rear, 1 internal Type A)
Power Supply	1620W 1+1 hot-swap redundant 80Plus Platinum
Video	Aspeed AST2300 Controller w/ 16MB memory
Management Hardware	Integrated IPMI 2.0 BMC
OS Support	CentOS 5.6 32/64-bit Windows® Server 2008 R2 Windows® Server 2008 R2 Enterprise Windows® Server 2008 Enterprise 32/64-bit RedHat® Enterprise Linux AS5.6/6.0 32/64-bit SuSE® Linux Enterprise Server 11.2 32/64-bit VMWare ESX4.1/ESXi4.1
Safety	IEC 60950-1, EN 60950-1
EMI	US (FCC, CFR47 Part 15, Class A) Europe (CE, EN55022 & EN55024) Australia (C-TICK) Taiwan (BSMI)