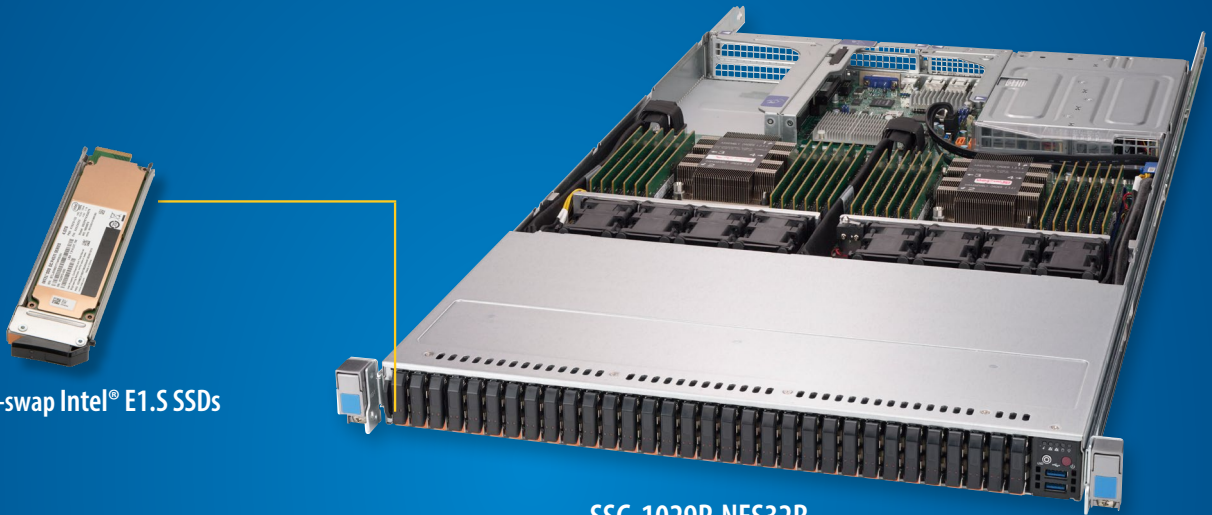# Next Generation
All-Flash Leader

1U 2-Socket SuperStorage supporting 32x 4TB of Intel® E1.S SSDs

Support up to · Dual Intel® Xeon® Scalable processors · 6TB DDR4 memory in 24 DIMMs · 32 E1.S SSDs
· Dual onboard 10Gbase-T · 2 PCI-E 3.0 x16 slots · Redundant Titanium Level (96%) power supplies

1 of 32 Hot-swap Intel® E1.S SSDs

SSG-1029P-NES32R

KEY FEATURES AND BENEFITS OF SUPERMICRO E1.S SYSTEM

· Easy to access and service with a front-loading design
· PCI-E 3.0 interface for up to 4 lanes
· Compliant with industry-recognized EDSFF specs
· Hot-swappable and Power Loss Protection
· Best performance per watt, low latency, high IOPS, high density
· Available in 4TB of capacity per drive
· Optimized form-factor for high system thermal efficiency
· 6x E1.S drives = 2x U.2 drives in space utilization

Price / Performance

Streamlining enterprise flash storage
to its core values

nvm EXPRESS®

INTRODUCING THE NEXT GENERATION
Supermicro's latest storage server platform supporting the Enterprise and Datacenter SSD Form Factor (EDSFF) media offers a new approach to enterprise all-flash storage applications, by providing all of the benefits of cost optimized M.2 flash drives with an increase in capacity and density and adding the hot-swap capabilities required for enterprise-class applications.

X11 SERVER PERFORMANCE
The SSG-1029P-NES32R server system has the compute power to deliver time-to-value benefit to any application. Featuring dual CPU sockets with 24 DIMM slots, and dual PCI-E 3.0 x16 slots, the server offers flexible I/O capabilities, including the options for dual 100Gb Ethernet, EDR InfiniBand or Intel® Omni-Path Architecture NICs.

MAXIMUM STORAGE DENSITY
Not only does E1.S flash media offer exceptional NVMe performance but the incredibly thin E1.S modules enable ultra-dense installations allowing for much greater storage density compared to existing 2.5" and 3.5" storage media.

www.supermicro.com/nvme

December 2019

SuperStorage

1U 2-Socket SuperStorage Supporting 32 x 4TB of Intel® E1.S Drives

Front View

Rear View

SSG-1029P-NES32R

Key Applications	• IOPS Intensive Storage Applications • Database Applications (MySQL, Casandra) • Hyperconverged Infrastructure / Scale-out Architectures
Outstanding Features	• Up to 32 E1.S devices per system • Up to 6TB of DDR4 memory (24 DIMM slots) • Redundant power supplies
Processor Support	• Dual 2nd generation Intel® Xeon® Scalable processors with 3 UPIs up to 10.4GT/s
Chipset	• Intel® C627
Memory Support	• 24 DIMM slots for up to 6TB ECC 3DS LRDIMM/RDIMM DDR4-2933
Expansion	• 2 PCI-E 3.0 x16 and 1 PCI-E 3.0 x4 slots
Drive Bays	• 32 hot-swappable PCI-E NVMe E1.S drive bays
Connectivity	• 2x 10Gbase-T ports
Management	• Dedicated IPMI 2.0 and KVM with dedicated LAN port, SuperDoctor® 5, Watchdog
Power Supply	• Redundant 1600W Titanium Level high-efficiency power supplies with I2C & PMBus™
Form Factor	• 1U Rackmount

* Please check with your Supermicro sales representative and website for compatibility and configuration details.

More Details