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

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

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
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**SuperStorage**

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

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### SSG-1029P-NES32R

| **Key Applications** | • IOPS Intensive Storage Applications  
|                      | • Database Applications (MySQL, Cassandra)  
|                      | • 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.

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