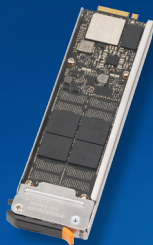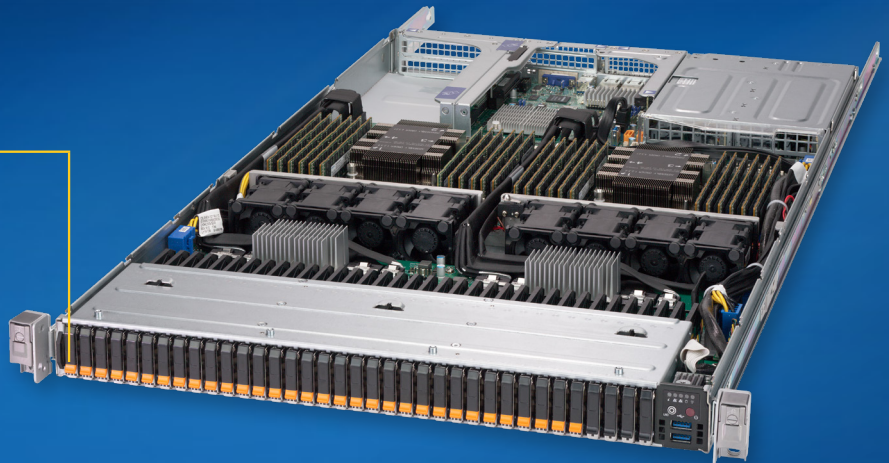# Next Generation
All-Flash Leader

1U 2-Socket SuperStorage Supporting 32x 16TB of Samsung NF1 SSDs

Support up to · Dual Intel® Xeon® Scalable processors · 3TB DDR4 memory in 24 DIMMs · 32 NF1 SSDs
· Dual onboard 10Gbase-T · 3 PCI-E 3.0 slots · Redundant Titanium Level (96%) power supplies

1 of 32 Hot-swap Samsung NF1 SSDs

SSG-1029P-NMR36L

KEY FEATURES AND BENEFITS OF SAMSUNG NF1 SSD

· Easy to access and service with a front loading design
· PCI-E 3.0 interface for up to 4 lanes
· Compliant with NVMe 1.2 specifications
· Hot-swappable and Power Loss Protection
· 30.5 x 110mm, 4.38mm height
· Available in 4-16TB capacities per drive

Samsung NF1 SSD

Price / Performance
Streamlining enterprise flash storage
to its core values

SAMSUNG
NF1 SSD
activated

nvm EXPRESS®

INTRODUCING THE NEXT GENERATION
Supermicro's latest storage server platform supporting the Next Generation Small Form Factor (NF1) 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-NMR36L 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 NF1 flash media offer exceptional NVMe performance but the incredibly thin NF1 modules enable ultra-dense installations allowing for much greater storage density compared to existing 2.5" and 3.5" storage media.

August 2018

SuperStorage

1U 2-Socket SuperStorage Supporting 32 x 16TB of Samsung NF1 Drives

Front View

Rear View

SSG-1029P-NMR36L

Key Applications	• IOPS Intensive Storage Applications • Database Applications (MySQL, Casandra) • Hyperconverged Infrastructure / Scale-out Architectures
Outstanding Features	• Up to 32 NF1 devices per system • Up to 3TB of DDR4 memory (24 DIMM slots) • Redundant power supplies
Processor Support	Dual Intel® Xeon® Scalable processors with 3 UPIs up to 10.4GT/s
Chipset	Intel® C620 series
Memory Support	24 DIMM slots for up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM DDR4-2666
Expansion	2 PCI-E 3.0 x16 and 1 PCI-E 3.0 x4 slots
Drive Bays	• 32 hot-swap PCI-E NF1 drive bays • 4 M.2 SATA3 drive bays
Connectivity	2x 10Gbase-T ports
Management	Dedicated IPMI 2.0 and KVM with dedicated LAN port, SuperDoctor® 5, Watchdog
Power Supply	Redundant 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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