

Boosting Server Performance with SmartNIC VPN Firewall

High-Performance VPN Solution

Offloading server CPU workloads, the EnGenius SmartNIC ESN904 – delivering up to 35 Gbps VPN Firewall throughput and 4,000 IPsec VPN tunnels.



Dual 25G SFP28 Secure Connectivity

Dual 25G SFP28 interfaces deliver high-speed, low-latency data throughput with secure, reliable performance for intensive enterprise and data center workloads.

Built-in VPN Firewall with Cloud Control

Built-in EnGenius VPN firewall and centralized cloud-based management offer real-time visibility and streamlined configuration across all connected sites.

One-Click Auto VPN for Instant Deployment

Auto VPN technology simplifies multi-branch networking with one-click setup, establishing secure, site-to-site connectivity within seconds.

Dual-WAN Backup for Continuous Uptime

Redundant WAN with built-in load balancing and intelligent traffic routing ensure non-interrupt connectivity for maximum network resilience.

Self-Healing VPN and VLAN Automation

VPN and VLAN automatically recover, detect, and restore network disruptions instantly, enabling effortless, hands-free maintenance and troubleshooting.

Stateful Firewall with Intelligent Filtering

High-efficiency packet filtering and deep inspection provide data protection, security, and policy-based traffic management.

Technical Specifications

EAS2210 Server Technical Specification	
	
Form Factor	2U Rackmount
Processor	Intel® Xeon® 6 (6500/6700 Series) P Core: Up to 144 E Core: Up to 86 Dual processor, TDP up to 350W
Socket Type	2 x LGA4710
Memory	Slot Count: 32 DIMM slots (16 DIMMs per CPU) DDR5 ECC RDIMM 6400MT/s 1DPC 5200MT/s 2DPC Capacity: 8TB with 256 GB DDR5
Drive Bays	Up to 24x 2.5"NVMe PCIe 5.0 Hot-Swap drive bays Intel® VROC Key Header
System Cooling	Air Cooling 6 x Smart FAN (60 x 60 x 56 mm)
Expansion Slot	Rear: 3x PCIe 5.0 x16 FH3/4L with Double Width or 6x PCIe 5.0 x8 FH3/4L with Single Width 1x PCIe 5.0 x8 HHHL 1x PCIe 5.0 x16 FHHL 2x OCP3.0 x8 SFF
I/O Port	Front: 2x USB3.0 Type A Rear: 1x USB3.0 Type A for BMC 1x Mini Display for BMC 1x USB3.0 Console for BMC 1x MGNT GE for BMC
Power Supply	M-CRPS 2200W, per PSU model 80 Plus Titanium Level (96%) 2x Hot Swap Redundant AC Input 110V - 240V
Dimension (W x D x H)	438 x 790 x 88 mm

ESN904 Technical Specification	
	
Form Factor	FH3/4L+ (266mm)
Processor	Intel® Xeon® D-1747NTE
CPU Cores	10Cores
Power Consumption	110W
Networking	2 x 25G SFP28
Host Interface	PCIe 4.0 x8
Memory Support	Up to 32GB, Dual-channel DDR4-2933 ECC
Storage Capacity	Up to 128GB eMMC
BMC/PFR	AST1060 (Intel® PFR) AST2600 (OpenBMC/BIOS)
I/O Configuration	2 x SFP28 1 x Mini USB Console 1 x USB3.0 Type-C 1x RJ45 1GE Management
Dimension (W x D x H)	266 x 98.4 x 20.4 mm

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