

Boosting Server Performance with SmartNIC VPN Firewall

ESN904

EnGenius SmartNIC ESN904 offloads server CPU to deliver 35 Gbps VPN Firewall throughput and up to 4,000 IPsec VPN tunnels.

- SD-WAN/SD-LAN
- Next-Gen Firewall (NGFW)
- Unified Threat Management (UTM)
- Zero-Trust Network Access (ZTNA)
- AI Edge and Cloud-Native Security Services



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.

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.

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.

Self-Healing VPN and VLAN Automation

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

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.

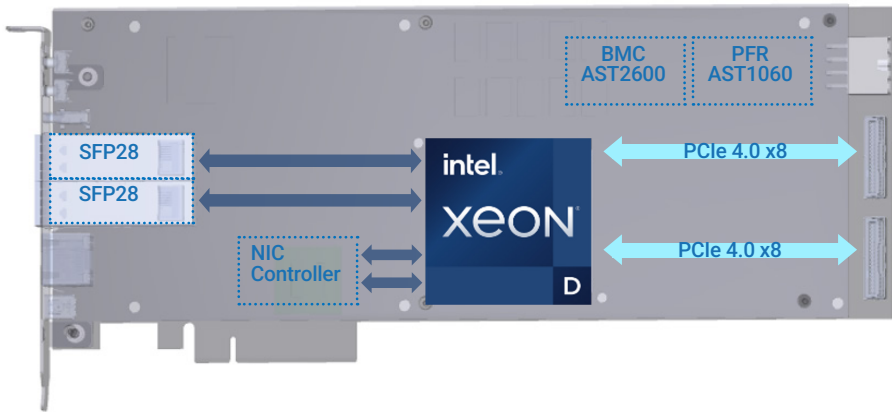
Stateful Firewall with Intelligent Filtering

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

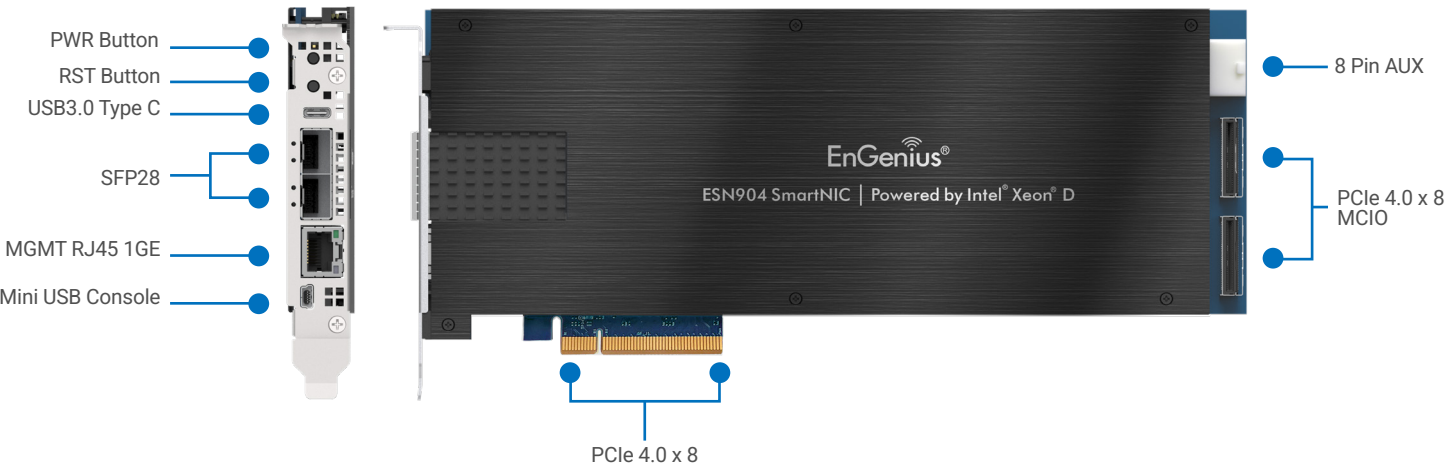
Processor	CPU Cores	Power Consumption	Networking	Host Interface	Memory Support	Storage Capacity	BMC/PFR
Xeon® D-1747NTE	10 Cores	110W	2x 25G SFP28	PCIe 4.0 x8	Up to 32GB, Dual-channel DDR4-2933 ECC	Up to 128GB eMMC	AST1060 (Intel® PFR) AST2600 (OpenBMC/BIOS)

EnGenius SmartNIC Architecture and Interface

The following figure shows the major components connection within ESN904



ESN904 I/O Interfaces



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