NETRONOME

PRODUCT BRIEF

EdgeNest

HARDWARE AND HYPERVISOR PLATFORM WITH INTEGRATED PACKET BROKERING FOR VIRTUAL OT SECURITY AND NDR APPLIANCES

New legislation and escalating AI-powered cyberattacks are driving demand for greater visibility, cybersecurity, and NDR services within the OT sector. The Netronome EdgeNest is a turnkey hardware and hypervisor platform for hosting virtualized security appliances. Onboard Netronome SmartNICs provide packet brokering features, while reducing CPU overheads on traffic ingress.





ORDERING PART NUMBERS

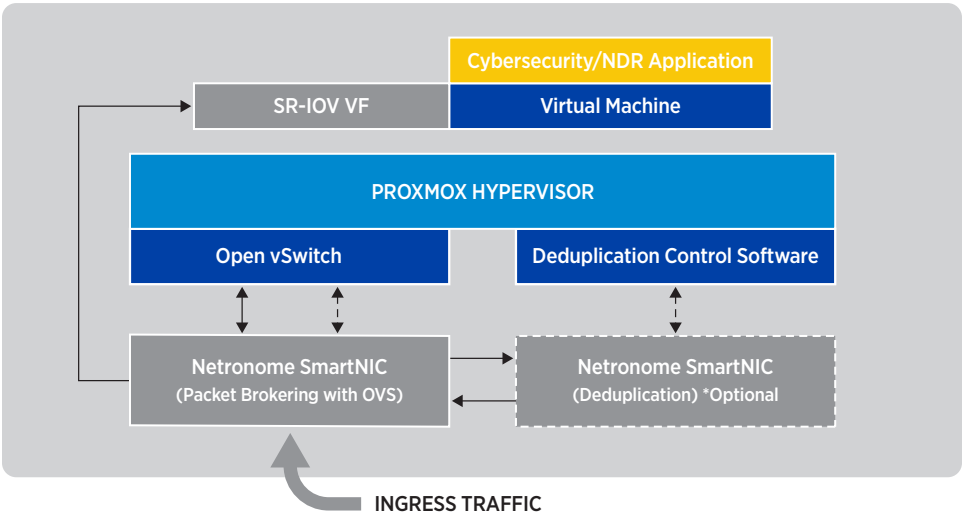
OTE-4C-32GB-4P10G
OTE-4C-32GB-4P10G-DEDUP

HARDWARE FEATURES

- 1U reduced-depth chassis, can be installed in network racks and flight cases.
- Intel x86 CPU with 4-10 cores and up to 128GB RAM for demanding applications.
- NVME storage for high speed packet capture.
- Onboard IPMI for lights-out management.
- 1-2 Netronome SmartNICs with flexible port configurations for traffic ingress; hardware offload for packet brokering features and hardware timestamping.
- 10Gbps RJ45 and SFP+ ports for management and data output.

SOFTWARE FEATURES

- Proxmox hypervisor (KVM) with GUI and CLI management, and VM templates for easy, repeatable deployment.
- Open vSwitch offers packet brokering features, including mirroring, aggregation, filtering, tag and tunnel header removal, and QoS, with hardware offload to Netronome SmartNIC.
- Packet deduplication on outer or inner IP header and payload, 50ms - 1s deduplication window, with hardware offload to Netronome SmartNIC (optional).
- Traffic delivered to VM via SR-IOV, bypassing host kernel datapath, reducing latency and CPU overhead.



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