Product Spotlight

- The industry's most scalable security platform
- Consolidates multiple networking applications in a single platform
- Integrates into tomorrow's OpenFlow-enabled software-defined networks
- Technology advancements:
  - Bare-metal performance for virtualized networking appliances
  - Network masking to make multiple virtual appliances appear as one

Key Benefits

- **Dramatic cost savings.** Efficient consolidation saves costs on hardware, software licenses, rack space, power, cooling, network infrastructure, and IT staff hours.
- **Elasticity and scalability.** Virtualize the network without compromising performance. Barracuda eo^n can be configured to massively scale one gateway application, or to consolidate several layered security and networking applications.
- **Long-term viability.** Ultra-high and programmable throughput keeps capacity far ahead of fast-growing data security requirements.
- **Accelerating ROI.** Per-port and per-rack, eo^n provides the industry's lowest TCO and fastest time to value. ROI accelerates as the number of hosted applications and virtual appliances increases.

Rapidly growing demands on today's enterprise-scale networks—big data, virtualization, BYOD, layered security, efficient backup, and constant traffic with cloud-based resources—are making traditional layered network design unsustainable over the long term. And while the increased use of virtualized network appliances and applications brings many benefits, it also adds significant lag and latency, with virtualization overhead consuming 20 to 50 percent of compute and I/O resources.

Value Today

Built on a telco-grade hardware platform with massive compute density for redundancy and high availability, and using ultra-efficient software architecture and a network-based hypervisor for I/O and application virtualization, the **Barracuda eo^n Software Defined Gateway (SDG) strips away virtualization drag.** This lets eo^n pass traffic to security and networking applications at line-rate speed, dramatically boosting the scalability of virtual gateway appliances while isolating workloads, and allowing unmatched consolidation of hardware and network security applications.

Value Tomorrow

The emerging principles of Software Defined Networking (SDN) will soon enable a fundamentally different approach to network design—one that incorporates a fabric topology, OpenFlow-enabled devices and controllers for sophisticated traffic management, and network and hardware virtualization to serve up applications and services to end users via the shortest possible path with the highest efficiency.

As SDN matures into the standard architecture for enterprise-scale networks, the Barracuda eo^n SDG—designed to integrate with OpenFlow-enabled devices and networks—will deliver even greater value by eliminating hardware and hypervisor bottlenecks and enabling seamless, on-the-fly compute-resource reallocation across multiple virtual appliances and applications.

With unprecedented performance and flexibility, the eo^n SDG defines a new category of networking platform.

Flexible Licensing Model

With the Barracuda Networks Suite option you are free to choose which virtual appliances you would like to run on the eo^n platform based on your current network demands. As your needs evolve, it is easy to reallocate compute resources to a different Barracuda virtual appliance, ensuring your requirements are met over the long term, even as your business grows and changes.

MODEL COMPARISON	COMPUTE BLADE	2032	5000	14000
Form Factor		2U	5U (6U AC Version)	14U (15U AC Version)
Dimensions (in)		3.5 x 19.0 x 17.25	8.75 x 19.0 x 18.9	24.5 x 19.0 x 17.05
Weight (lb)	8	37	62	77.16
Backplane Fabric	2x10 Gbps	20 Gbps	120 Gbps	240 Gbps
Max Cores	16 Cores (32 Threads)	16 Cores (32 Threads)	96 Cores (192 Threads)	192 Cores (384 Threads)
Local Storage	512 GB	512 GB	3 TB	6 TB
Copper Ethernet (RJ-45) Ports	0	Interface Options: **a.** 24x1G RJ-45, 2x10G SFP+ **b.** 12x1G RJ-45, 2x10G SFP+ **c.** 7x1G/10G SFP+, 3x1G RJ-45	0	0
1G Fiber SFP Ports	0		12x1G/10G SFP+	12x1G/10G SFP+
10G Fiber SFP+ Ports	0			
Power Requirement	~250W Typical	330W Typical	200W Typical*	400W Typical*
Power Supply		AC/DC	AC/DC	AC/DC

* No CPU blades installed, fans at idle, all 10G ports linked up

MODEL COMPARISON	1012	1024
Form Factor	1U	1U
Dimensions (in)	17.40 x 1.73 x 20.40	17.32 x 1.73 x 21.65
Weight (lb)	26.5	24
Backplane Fabric	Intel Chipset	Intel Chipset
Max Cores	6 cores (12 threads)	12 cores (24 threads)
Local Storage	320G SSD (2 x 160GB SSD's)	600G SSD
Copper Ethernet (RJ-45) Ports	Interface Options: **a.** 8 x 1G RJ-45 **b.** 16 x 1G RJ-45 **c.** 8 x 1G RJ-45, 4 x 10G SFP+ **d.** 4 x 10G SFP+ **e.** 8 x 10G SFP+	14
1G Fiber SFP Ports		0
10G Fiber SFP+ Ports		6
Power Requirement	1+1 ATX redundant power supplies 400W/each	1+1 ATX redundant power supplies 650W/each
Power Supply	AC 90~264V @47~63 Hz	AC 90~264V @47~63 Hz

Featured Application Performance - Barracuda Next Generation Firewall

NG FIREWALL ON eo^n	2032	5000	14000
Concurrent Sessions	32 million	192 million	384 million
Firewall Throughput	20 Gbps	120 Gbps	240 Gbps
Connections Per Second	200,000	1 million	2 million