

Alteon Performance Is Screaming Again!

The performance businesses want. The reliability and simplicity they need.



The new Alteon 5412 high-end platform from Radware is an exciting, stand out addition to the Alteon Application Switch product line – making Alteon performance SCREAM again! With Radware’s embedded “On Demand Infrastructure” and packed with four 10GE ports and twelve Gigabit Ethernet ports, the Alteon 5412 delivers up to an incredible 20 Gbps throughput, 340K Layer 4 TPS and 2.5M DNS QPS!

Top-notch Performance Delivering the Best User Experience

Powered by a state-of-the-art, custom-designed hardware platform, the Alteon 5412 ensures the best user experience and fastest response time for your mission-critical applications, resulting in effective, continuous business operation. Extending throughput capacity by up to 20 Gbps, the Alteon 5412 provides you with breakthrough performance including up to 340K Layer 4 Transactions per Second (TPS), 2.5M DNS Queries per Second (QPS) and the fastest response time – in any throughput level model you choose!

The beating heart of the Alteon 5412 is the Virtual Matrix Architecture (VMA), a one-of-a-kind technology which unleashes the power of Alteon 5412’s next-generation proprietary platform. VMA is a fast, robust, and flexible architecture that leverages the entire system’s capacity while providing the parallel performance of distributed processing.

Running the Renowned Alteon OS

For years, you've used the Alteon Application Switches. They served you well, delivering performance, simplicity, stability and reliability. And now, with Radware's release of Alteon 5412, Alteon is back!

The Simplest, Most Stable Application Switch OS

The Alteon 5412 **encompasses the renowned Alteon OS**, so there is no learning curve related to operations scripts, integration into the environment, network topology considerations, and infrastructure design – allowing you to continue enjoying the same proven ease of operation and stability you've come to expect from Alteon.

And It's Application Acceleration Ready!

The Alteon 5412 is *application acceleration ready*. When the upcoming Alteon OS version is released, you simply update the Alteon OS software and immediately benefit from advanced application acceleration services while you continue to use the same hardware.

Intelligently Embedding Radware's "On Demand" Approach

By embracing Radware's "Pay-as-you-Grow" approach, no forklift upgrade is required even as new business requirements emerge, as you **only pay for the exact capacity currently required** and prevent over-spending on the initial solution. By employing a software license-based mechanism, throughput capacity as well as application-aware services can be added **on demand** to meet new or changing application infrastructure needs – without replacing the device, without even restarting it, and **with no compromise on performance**.

The "Pay-as-you-Grow" approach enables you to overcome capacity planning challenges and reduces the risk associated with data center growth for best investment protection. Thanks to platform standardization and simplicity, there is one platform to cover all of your application needs resulting in fewer spare parts, and less training and operations, to dramatically reduce OPEX.

Additional Benefits

5-Year Longevity Guarantee coupled with World-class Support

Radware exclusively provides Alteon 5412 customers with a **5-year platform longevity guarantee**. This enables extending the Application Delivery project lifetime, which directly translates into reduced TCO and higher ROI.

Carrier-Grade Reliability

The new Alteon 5412 delivers carrier-grade reliability required by the most demanding carrier application environments. It features reliable, custom-made hardware coupled with embedded components providing high MTBF and dual AC/DC power supply configurations. It is NEBS ready, complies with the strictest regulations, and is certified by the most up-to-date hardware and networking standards.

Guaranteed Availability & Secured Management

The Alteon 5412 provides continuous guaranteed availability of remote management even under extreme utilization conditions. As the two redundant management ports use a separate, out-of-band management data path, the management traffic is not affected by the data traffic. For enhanced security, the management ports are isolated from the traffic ports. Moreover, the management ports can work in redundant mode for high availability.

Enhanced Configuration

The Alteon 5412's front-panel USB port allows for easy installation, recovery and upgrade of its software as well as configuration back-up for enhanced management. It also features a convenient LCD Panel for display of key performance statistics.

Technical Specifications

Features	Alteon 5412
Available Throughput Licenses	8 Gbps, 12 Gbps, 16 Gbps and 20 Gbps scalable throughput licenses
Non-blocking Switch Fabric	400 Gbps
Layer 2 Switching	Wire-speed
Simultaneous Sessions	Up to 7M
Routing Protocols	OSPF, RIP, RIP II
Processor	2 AMD Shanghai quad-core 2.5 GHz
Memory	Up to 32GB
Gigabit/GBIC Ports	4 10 Gigabit Fiber Ports (XFP pluggable optics) + 4 Gigabit Fiber Ports (SFP-GBIC Mini) + 8 Gigabit Ethernet Ports (Copper)
1000Base-SX/LX/ZX Ports	All Gigabit Fiber ports deliver SX/LX/ZX interfaces depending on GBIC
1000Base-SX (850 nm) Operating Distance	<ul style="list-style-type: none"> • 62.5 micron MM fiber .2 m to 275 m • 50 micron MM fiber .2 m to 550 m
1000Base-LX/ZX Operating Distance	<ul style="list-style-type: none"> • LX: Up to 10 km (6.2 mi) • ZX: Up to 80 km (49.7 mi)
USB Port	<ul style="list-style-type: none"> • On front panel
LCD Screen	<ul style="list-style-type: none"> • On front panel
RS-232C Console	<ul style="list-style-type: none"> • DB-9 serial connection • Female DCE interface for out-of-band management
Dimensions	<ul style="list-style-type: none"> • 2U: <ul style="list-style-type: none"> • Width: 424 mm (17 in) • Depth: 600 mm (24 in) • Height: 88 mm (3.4 in) • EIA Rack or Standalone: 482 mm (19 in)
Weight	<ul style="list-style-type: none"> • 2U: 18 kg (40 lbs)
Environmental	<ul style="list-style-type: none"> • Operating temperature: 0-40 °C (32-104 °F) • Humidity: 5% to 95% non-condensing
Power	<ul style="list-style-type: none"> • Auto-range supply: <ul style="list-style-type: none"> o AC: 100-240 V, 47-63 Hz o DC: -36~-72 V • Power consumption: 496 W • Heat dissipation: 1691 BTU/h • Dual power supply (AC/DC)
Certifications	<ul style="list-style-type: none"> • Safety: EN, CSA, CB, cTUVus, cULus, IEC #60950-1 • EMC: CE, FCC, ICES-003, VCCI, CCC, C-Tick, EN 55022, EN 55024, FCC Part 15B Class A • RoHS 6 Compliant

About Radware

Radware, the global leader in integrated application delivery solutions, assures the complete availability, performance and security of business-critical applications for nearly 10,000 enterprises and carriers worldwide. With Radware's comprehensive and award-winning suite of products, companies can drive business productivity, improve profitability, and reduce IT operating and infrastructure costs by making their networks "business-smart."

Certainty Support

Radware offers technical support for all of its products through the Certainty Support Program. Each level of the Certainty Support Program consists of four elements - phone support, software updates, hardware maintenance, and on-site support. Radware also has dedicated engineering staff that can assist customers on a professional services basis for advanced project deployments.

Learn More

To learn more about Radware Alteon application delivery products please visit us at www.radwarealteon.com. For information regarding Radware's entire portfolio of application delivery and network security products for business-smart networking, please visit www.radware.com.