

A10

Unified Application Delivery and Control

One platform. One code base.

Flexibility across your application delivery environment.

Simplified High-performance Application Delivery

A10 Thunder® ADC enables secure, highly available, and accelerated application delivery across data center, cloud, and hybrid environments. Built on the A10 Advanced Core Operating System (ACOS®), Thunder ADC provides scalable and high performance Layer 4 to Layer 7 load balancing, TLS and SSL offload, traffic steering, and application acceleration to keep critical applications fast, secure, and resilient.

Unified Application Delivery and Control Across Any Environment

Modern applications operate across diverse environments including on premises data centers, private clouds, public clouds, and the edge. Traditional ADCs are not designed for this level of distribution and often create silos, slow change management, and increase operational cost.

A10 Thunder ADC is engineered for distributed environments. Powered by ACOS, it consolidates application delivery, acceleration, and security into a single intelligent platform designed for speed and performance at scale. With A10 Control providing centralized visibility and automation, organizations gain unified analytics and consistent management of distributed ADCs through a single interface. This ensures microsecond level responsiveness, streamlined operations, and improved cost efficiency.

How It Works

- **Unified Performance Foundation:** Thunder ADC delivers a consistent architecture across physical appliances, virtual machines, bare metal deployments, container environments, and public cloud platforms. This allows organizations to benefit from an efficient system and consistent operational behavior across all deployments. Select hardware models also provide very low latency capabilities that support specialized real time workloads.
- **Intelligent Traffic and Acceleration Engine:** A full proxy Layer 4 to Layer 7 architecture dynamically steers and optimizes traffic in real time. Hardware acceleration and TLS and SSL offload improve performance and throughput while reducing latency, maintaining both security and availability for demanding workloads such as financial trading, online gaming, and digital commerce.

- **Centralized Visibility and Control:** With A10 Control, organizations gain centralized configuration, monitoring, and analytics across all Thunder ADC instances. Real time dashboards, historical trend analysis, and unified policy distribution make it easier to maintain consistent service levels, resolve issues quickly, and support compliance requirements across multi cloud and hybrid environments.

- **Flexible Licensing and Scaling:** Flexible consumption based licensing and capacity pooling allow organizations to allocate performance resources where they are needed most without compromising speed. These capabilities ensure continuous high performance during periods of heightened application demand while maintaining responsive and cost efficient operations.

Adaptive Load Balancing and Optimization	Unified Management Across Clouds	Performance Without Compromise	Rapid, Automated Deployment
 <ul style="list-style-type: none"> • Thunder ADC continuously monitors application and network health to ensure optimal performance • Routes requests to the best available resource with automated failover and advanced health checks • Combines global and local load balancing to maintain availability and reduce latency • Protects user experience during traffic spikes, maintenance windows, or unexpected disruptions 	 <ul style="list-style-type: none"> • A10 Control provides centralized orchestration for distributed ADC services • Enables organizations to provision, update, and monitor large numbers of Thunder ADC instances across data centers and multi-cloud environments from a single interface • Uses consistent templates and shared policies to standardize application delivery services • Helps reduce manual effort and improve operational efficiency 	 <ul style="list-style-type: none"> • Thunder ADC is purpose-built for high performance with very low latency on select models • Leverages hardware acceleration for modern TLS and SSL processing • Incorporates intelligent traffic handling to optimize speed and security • Ideal for high-volume, latency-sensitive environments requiring both performance and protection 	 <ul style="list-style-type: none"> • Thunder ADC integrates seamlessly with Infrastructure as Code and DevOps workflows • Provides native support for Terraform and Ansible for automated, high-speed provisioning • Ensures consistent configuration across data centers and cloud environments • Offers full API coverage to streamline integration, enable continuous optimization, and reduce operational overhead



Ready to Simplify Application Delivery?

Request a demo today and see how A10 Thunder ADC delivers high performance, low latency and unified control across data centers and clouds, while reducing operational complexity.

About A10
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