

## A10 Thunder MVP Powered by Dell Technologies Multi-tenant Virtual Platform (MVP) Specifications

A10 Thunder Multi-tenant Virtual Platform (MVP) is an advanced platform enabling multiple virtual instances or services on a single platform, that has the capabilities of delivering Application Delivery Controller (ADC) and Carrier Grade Networking (CGN) solutions along with an expanded feature set of A10 capabilities.

A10 Thunder MVP on Dell PowerEdge R760 +	
<b>Performance with ADC</b>	
Application Throughput (L4 / L7)*	200 Gbps / 200 Gbps
Connections Per Second (L4 / L7)*1	4.7 Million / 2.7 Million
SSL Bulk Throughput*2	60 Gbps
SSL CPS (RSA / ECDSA)*2	166K / 83K
<b>Performance with CGNAT</b>	
Throughput	200 Gbps
Full TCP Connections Per Second	3 Million
Concurrent Sessions	256 Million
<b>Network Interface</b>	
25/10GE Fiber (SFP28/SFP+)	4
100/40GE Fiber (QSFP28/QSFP+)	4
<b>Hardware Specifications</b>	
Processor	2 x Intel Xeon 24-core
Memory	256 GB
Storage	2 x SSD
TLS/SSL Security Processor	Integrated QAT
Power Supply (DC option available)	Dual 1400W power supply

Specifications and performance numbers are subject to change without notice, and may vary depending on configuration and environmental conditions.

\*1 Layer 7 connections per second - measures number of new HTTP connections (1 HTTP request per TCP connection, without TCP connection reuse ) within 1 second

\*2 RSA (2K keys) cipher: "TLS\_RSA\_WITH\_AES\_128\_CBC\_SHA256", ECDSA (EC P-256) cipher: "TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_CBC\_SHA256"

+ Available bandwidth license: 50, 100, 150, 200 Gbps. Maximum throughput performance depends on the license.

All Thunder MVP performance specifications are aggregate numbers that use the following VM profiles:

- A10 Thunder MVP for ADC is tested on Dell PowerEdge R760 with 14-VM profile (6 vCPUs, 16 GB memory, 60GB storage, 4 SSL virtual functions (VFs) assigned on each vThunder)
- A10 Thunder MVP for CGN is tested on Dell PowerEdge R760 with 2-VM profile (32 vCPUs, 64 GB memory, 100GB storage assigned on each vThunder)

### Learn More

[About A10 Networks](#)  
[About A10 on Dell Bundle](#)

### Contact Us

[A10networks.com/contact](https://www.a10networks.com/contact)

©2024 A10 Networks, Inc. All rights reserved. A10 Networks, the A10 Networks logo, ACOS, Thunder, Harmony and SSL Insight are trademarks or registered trademarks of A10 Networks, Inc. in the United States and other countries. All other trademarks are property of their respective owners. A10 Networks assumes no responsibility for any inaccuracies in this document. A10 Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice. For the full list of trademarks, visit: [A10networks.com/a10trademarks](https://www.a10networks.com/a10trademarks).

Part Number: A10-DS-15131-EN-07 Oct 2024