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 [+]
Performance with ADC	
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
Performance with CGNAT	
Throughput	200 Gbps
Full TCP Connections Per Second	3 Million
Concurrent Sessions	256 Million
Network Interface	
25/10GE Fiber (SFP28/SFP+)	4
100/40GE Fiber (QSFP28/QSFP+)	4
Hardware Specifications	
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)

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