

# DDoS Mitigation Appliance

High-Performance, In-line Network Security Device



## Overview

The **ArcTiv DDoS Mitigation Appliance** is a behavior-based network traffic management system providing the fastest and most reliable solution in the market. Using its innovative FPGA-based Deep Packet Inspection (DPI) technology, the device offers:

- Best-in-class traffic handling speed & network security
- Application-based policy enforcement
- Maximum device security



## Features



### In-Line, Wire-Speed Operation

Provides Layer 7 flow visibility and policy enforcement without CPU processing latency.



### Simple Policy Updates

Analysis of traffic usage makes user-defined policy enforcement simple and easy.



### Real-Time Monitoring and Reporting

Intuitive, web accessible GUI with detailed statistics for policy enforcement.



### Maximum Device Security

The hardware-based design protects against malware and other device-level threats.



### Customizable & Remote Upgradable

Throughput and security features can be customized and field configurable.



### System Stability During Network Attack

Provides smooth and continuous traffic flow without interruption during network attacks.

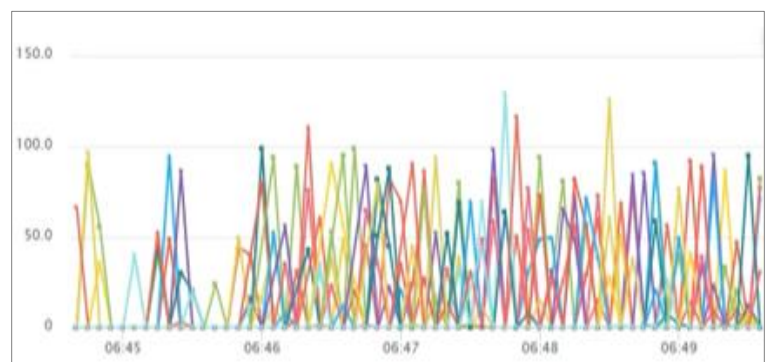


### Bandwidth Optimization During Network Attack

Layer 7 information is analyzed to limit and optimize bandwidth during attacks.

*Real-Time Traffic Statistics Provide Application-Level Visibility*

- Total Traffic Byte IN by IP
- Blocked Count by Destination IP
- Blocked Count by Stack Type



# DDoS Mitigation Appliance

High-Performance, In-line Network Security Device



## Specifications

Capacity	Throughput	1 Gbps	2 Gbps
	Packet Forwarding	2.8 Mpps	5.9 Mpps
	Max Latency	5 $\mu$ s (no derating under L-7 massive attack)	
Interfaces & Connections	Network Interfaces	4 x 1GbE, 4 x SFP	
	Console Port	Serial, RJ-45 Connector	
DDoS Attack Mitigation	Detection & Mitigation Algorithms	IP-based Processing, Real-time Monitoring, Zombie ID, Access Control List, Deep Packet Inspection	
	Packet Filtering	Attack packet check for all attack types and virtual group IP addresses, IP address & port number access control, White List check, Black List check	
	Layer 7 Mitigation - Application -	Valid & Invalid HTTP Flooding, Cache Control Attack, User defined pattern flood, Low bandwidth Attack, SQL Query Flooding, Slowloris	
	Layer 4 Mitigation - Protocol -	TCP Flood, TCP Flags Flood, TCP Connection Flood, UDP Flood, ICMP Flood, Zombie Flood, Excessive Connection/Source Flood	
	Layer 3 Mitigation - Network -	IP Flood, Source IP / Destination IP Flood, Fragmented Packet Flood, Protocol Flood	
Analytics	Monitoring & Reporting	Active Connections, BW usage by IP, VLAN / BW Pool, Ipv4 & IPv6 Visibility, P2P Locator	
	Device Management	Web Browser, Telnet CLI, Console Access	
	Deployment	In-Line, Logical Out-of-Path	
Environment	Supply Voltage	90 – 264 VAC, 50/60 Hz	
	Op. Temp / Humid	32° to 113° <sup>o</sup> F (0° to 45° <sup>o</sup> C), 0 to 90% non-condensing	
	Storage Temperature	-13° to 158° <sup>o</sup> F (-25° to 70° <sup>o</sup> C)	
Safety	Certifications	CE, EN 60950 / IEC 60950-Compliant	
Dimensions	H x W x D (cm)	4.3 x 42.6 x 50.8	