

Sysnet-Def Tech Spec



	Sysnet-Def T1	Sysnet-Def T3	Sysnet-Def T5	Sysnet-Def T10	Sysnet-Def T15
PROGRAMMABLE MITIGATION PERFORMANCE					
Max Programmable Mitigation Throughput	1Gbps	3Gbps	5Gbps	10Gbps	15Gbps
Max Attack Concurrent Sessions	1.000.000 – 1.200.000	3.000.000 – 3.200.000	5.000.000 – 5.200.000	10.000.000 – 10.200.000	15.000.000 – 15.200.000
DDoS Flood Attack Prevention Rate	1.480.000 pps	4.440.000 pps	7.400.000 pps	14.800.000 pps	22.200.000 pps
SSL/TLS Connections per Second					
Latency	< 60 microseconds				
Real-Time Signatures	Detect attacks and protect in less than 1 seconds				
INSPECTION PORTS					
10/100/1000 Copper Ethernet	2	4	6	2	6
1 GE / 10 GE	-	-	-	2 (SFP)	2 (SFP)
MANAGEMENT PORTS					
10/100/1000 Copper Ethernet					
Management Console	Terminal: Putty – Baud Rate: 115200				
USB Port	1				
Report Action	<ul style="list-style-type: none"> - Real-time and historical traffic reporting - Display attacker information: Drill-down by attack types (Source IP address, Destination IP address, Source port, Destination port, Type attack, Volumetric attack, Throughput attack), Blocked sources - Display configuration informations 				
OPERATION MODE					

Network Operation	<ul style="list-style-type: none"> - Transparent L2 Forwarding, IP Forwarding - No VLAN tag, single VLAN tag, duple VLAN tag 				
Deployment Modes	Inline active, Inline inactive , SPAN port monitoring				
Tunneling Protocols	VLAN Tagging, L2TP, MPLS, GRE, GTP, IPinIP				
IPv6	Yes				
Jumbo Frame	Supported 9KB				
Block Actions	<ul style="list-style-type: none"> - Action to prevent volumetric attacks: Real-time mitigation, connection rate limit, checking TCP whitelist. - Action to prevent protocol attacks: Real-time Challenge-Response for TCP, Proxy-based SYN Cookies, TCP connection resetting, Dynamic Source IP blocking, Dynamic filters, checking DNS whitelist, VPN whitelist 				
HIGH AVAILABILITY					
Fail-open/fail-close					
Dual Power Supply	Yes, hot swappable				
PHYSICAL					
Dimensions (W x D x H) mm					
Weight					
Power Supply (Auto-range)					
Power Consumption					
Heat Dissipation					
Operating Temperature	0°–40°C (32°–176°F)				
Humidity	5% to 95% non-condensing				
COMPLIANCE & CERTIFICATIONS					
RoHS					
Safety/EMC/EMI & Certifications					
Warranty					
Support					