

# Sysnet-Def Tech Spec



	Sysnet-Def T1	Sysnet-Def T3	Sysnet-Def T5	Sysnet-Def T10	Sysnet-Def T15
<b>PROGRAMMABLE MITIGATION PERFORMANCE</b>					
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				
<b>INSPECTION PORTS</b>					
10/100/1000 Copper Ethernet	2	4	6	2	6
1 GE / 10 GE	-	-	-	2 (SFP)	2 (SFP)
<b>MANAGEMENT PORTS</b>					
10/100/1000 Copper Ethernet					
Management Console	Terminal: Putty – Baud Rate: 115200				
USB Port	1				
Report Action	<ul style="list-style-type: none"> <li>- Real-time and historical traffic reporting</li> <li>- 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</li> </ul>				

	- Display configuration informations				
<b>OPERATION MODE</b>					
Network Operation	<ul style="list-style-type: none"> <li>- Transparent L2 Forwarding, IP Forwarding</li> <li>- No VLAN tag, single VLAN tag, duple VLAN tag</li> </ul>				
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"> <li>- Action to prevent volumetric attacks: Real-time mitigation, connection rate limit, checking TCP whitelist.</li> <li>- 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</li> </ul>				
<b>HIGH AVAILABILITY</b>					
Fail-open/fail-close					
Dual Power Supply	Yes, hot swappable				
<b>PHYSICAL</b>					
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				
<b>COMPLIANCE &amp; CERTIFICATIONS</b>					
RoHS					
Safety/EMC/EMI & Certifications					
Warranty					
Support					

