Network Critical

The Window to your Network™

COMPARISON CHART

Including TAPs, Hybrid TAPs and Packet Brokers

	Featuring the Drag-n-Vu™ Management System														
	SmartNA™		SmartNA-PortPlus™										SmartNA-PortPlus HyperCore™		
Product Code	SNA	SNA-XL	SNA-PP1	SNA-PP2	SNA-PP3	SNA-PP4	SNA-PP5	SNA-PP TA1	SNA-PP TA2	SNA-PP TA3	SNA-PP TA4	SNA-PP TA5	SNA-PP HC1	SNA-PP HC2	SNA-PP HCTA
Dimensions															
Height in Rack Units	1 to 2RU	1RU	1RU	2RU	3RU	4RU	5RU	1RU	2RU	3RU	4RU	5RU	1RU[1]	1RU[1]	1RU[1]
Width	19”	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"
Modular Design	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
AC Redundant Power Supply (Hot Swappable)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DC Redundant Power Supply (Hot Swappable)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hot Swappable Cooling Fans	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Throughput															
Maximum Visibility[2]	1700Mbps	480Gbps	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	3.6Tbs	25.6Tbps	25.5Tbps	25.6Tbps
Max Interfaces															
Physical interfaces	17	2 x QSFP 20 x SFP+[3]	8 x QSFP 48 x SFP28	12 x QSFP 96 x SFP28	18 x QSFP 128 x SFP28	24 x QSFP 160 x SFP28	30 x QSFP 192 x SFP28	8 x QSFP 48 x SFP28	12 x QSFP 96 x SFP28	18 x QSFP 128 x SFP28	24 x QSFP 160 x SFP28	30 x QSFP 192 x SFP28	32 x QS-FP-DD 2 x SFP+	32 x QS-FP-DD 2 x SFP+	32 x QS-FP-DD 2 x SFP+
Max no. of 1Gb Ports	17	20	48	96	128	160	192	48	96	128	160	192	-	-	-
Max no. of 10Gb Ports	-	20	48	96	128	160	192	48	96	128	160	192	224	224	224
Max no. of 25Gb Ports	-	-	48	48	32	16	-	48	48	32	16	-	244	224	224
Max no. of 40Gb Ports	-	2	8	2	2	2	2	8	2	2	2	2	64[4]	64[4]	64[4]
Max no. of 50Gb ports	-	-	-	-	-	-	-	-	-	-	-	-	224[5]	224[5]	224[5]
Max no. of 100Gb ports	-	-	8	2	2	2	2	8	2	2	2	2	64[4,6]	64[4,6]	64[4,6]
Max no. of 200Gb ports	-	-	-	-	-	-	-	-	-	-	-	-	64[4]	64[4]	64[4]
Max no. of 400Gb ports	-	-	-	-	-	-	-	-	-	-	-	-	32	32	32

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Port Interface Type															
10/100/1000BASE-T Copper Port	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
1Gb SFP Port	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10Gb SFP+ Port	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25Gb SFP28 Port	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
40Gb QSFP+ Port	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100Gb QSFP28 Port	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
200Gb QSFP28 Port	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
400Gb QSFP56-DD Port	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
10/100/1000BASE-T Copper TAP	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
1Gb/10Gb Fiber TAP	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated TAPs															
1G Optical	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
1G Bypass Copper	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
1G Bypass Optical	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
10G Bypass Optical[7]	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Functions and Features															
10/100/1000BASE-T Copper Physical Bypass Protection	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
1Gb Fiber Active Bypass Protection	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
10Gb Fiber Active Bypass Protection[8]	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-

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User Defined Bit-level Filtering	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Aggregation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Distribution	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FCC/CE Certified	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drag-n-Vu™ Applications and Features															
Layer 2-4 Packet Filtering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Application Session Filtering	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Persistent Load Balancing	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Static Load Balancing	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Load Balancing	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Header Stripping	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Tunneling/De-Tunneling	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Packet Slicing	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Payload Masking	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Source Port Labeling	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Management															
RESTful API	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Role Based User Accounts	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple Levels of User Account	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMP Traps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Event Monitoring and Alarm Generation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Link Status Trap	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Statistic/Counter in Each Port	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WebUI (HTML5) for System Access	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CLI Configuration and Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GUI Configuration and Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMP v2c & 3 Support	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Authentication & Authorisation TACACS+	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comparison Chart Footnotes

1 All SmartNA-PortPlus HyperCore (SNA-PP HC) products are scalable to 5RU, using 4 SmartNA-PortPlus (SNA-PP) units.
2 These throughputs are bi-directional
3 Numbers show maxmium physical interface, but these cannot be used all together at once.
4 SR4/LR4/KR4 - ports that are using four lanes
5 SR/LR/KR - ports that are using one lane
6 SR2/LR2/KR2 - ports that are using two lanes. When SNA-PP HC functions on two lanes the max number of 100Gb Ports becomes 128.
7 This is with the 10G V-Line Module
8 Also available in 40G and 100G

For more information about the described products, please visit www.networkcritical.com For quotes and inquiries, please contact sales@networkcritical.com

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