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SteelCentral Product Family Specifications

Riverbed® SteelCentral™ NetProfiler Solutions

Product Specifications

SteelCentral NetProfiler

Model	SCNP-02270 Series[7]					SCNP-04270 Series[8, 9, 10]			SCNP-04270 Series[8, 9, 10] Expansion	
Configuration	F1	F2	F3	F4	F5	SCNP-04270-UI	SCNP-04270-DB	SCNP-04270-AN	SCNP-04270-EX	SCNP-04270-DP
Flow Capacity (flows per minute)[1]	200,000	400,000	600,000	800,000	1,000,000	N/A	N / A	1,000,000	1,000,000	N / A
Disk Capacity[2]	24TB					960GB	960GB	48TB	48TB	2TB
Optional Fiber Channel SAN Support[3]	✓					-	-	✓	✓	-
RAID	RAID 1 / RAID 10					RAID 1	RAID 1	RAID 1 / RAID 10	RAID 1 / RAID 10	RAID 1
Front-Swappable Disks[4]	12					2	2	12	12	2
RAM	64GB					32GB	32GB	64GB	64GB	64GB
Serial Port (RJ-45 connector)	✓									
Primary SteelCentral Management Port[5] (10/100/1000 RJ45)	✓									
Flow as Data Source[6]	Requires SteelCentral Flow Gateway									

1. Flow Capacity can be expanded up to the amount listed.
2. Raw Disk Capacity does not not take into account disk formatting, RAID overhead, software installation, or OS usage.
3. With purchase of NIC-1-HBA-2FC.
4. Hot swappable disks.
5. Flow rates shown are available with NetProfiler 10.0.5 and later releases. Earlier versions had flow limits of 100,000, 200,000, and 500,000 respectively.
6. Accepts NetFlow (V1, V5, V7 and V9), Enhanced NetFlow, IPFIX, cFlow, Cisco NBAR and NBAR2, Cisco MediaNet,Cisco ASA NSEL, Citrix AppFlow, sFlow V2 and V5, J-Flow, Packeteer FDR, Palo Alto Networks, and SteelFlow from SteelHead appliances.

7. Each Flow Gateway model can report to up to two NetProfilers and forward flow to two third-party flow collectors.
8. SCNP-4270-AN/EX equipped with RAID 1 / RAID 10 (48TB); SCNP-4270-UI/DB equipped with RAID 1 (960GB SSDs).
9. CNP-4270-AN/EX equipped with 12 front-swappable; SCNP-4270-UI/DB equipped with two front-swappable disks.
10. SCNP-4270 system includes-SCNP-4270-UI, SCNP-4270-DB, and SCNP-4260-AN, plus one or more SCNP-4270-EX expansion modules (for a maximum of nine). Each additional SCNP-4270-EX adds 1M FPM. SCNP-4270-DP is required with addition of fourth SCNP-4270-EX.

SteelCentral NetProfiler Solutions

Product Specifications

SteelCentral Flow Gateway

Model	SCFG-02270 Series[11, 12]					
Configuration	F1	F2	F3	F4	F5	F6
Flow Capacity (flows per minute)[1]	200,000	400,000	600,000	800,000	1,000,000	2,000,000
Disk Capacity[2]	2TB					
Optional Fiber Channel SAN Support[3]	-					
RAID	RAID 1					
Front-Swappable Disks[4]	2					
RAM	32GB					
Serial Port (RJ-45 connector)	✓					
Primary SteelCentral Management Port[5] (10/100/1000 RJ45)	✓					
Flow as Data Source[6]	✓					

Power and Physical Specifications

SteelCentral NetProfiler

Model	SCNP-02270 Series[7]					SCNP-04270 Series[8, 9, 10]			SCNP-04270 Series[8, 9, 10] Expansion	
Configuration	F1	F2	F3	F4	F5	SCNP-04270-UI	SCNP-04270-DB	SCNP-04270-AN	SCNP-04270-EX	SCNP-04270-DP
Dual Power Supplies (redundant)[13]			✓				✓		✓	
Power [Watts] (typical)	305W					128W		308W	308W	128W
BTU	1039					435		1049	1049	435
Temperature[14]	10-35°C (50-95°F)									
Relative Humidity (shipping)	50-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25-35°C)									
Operating Acoustic Noise (typical)	7.0 BA (operating condition in typical office ambient temperature: 23 +/- 2°C)									
Rack Size	2U					1U	1U	2U	2U	1U
System Dimension (L x W x H)[15]	707.8 mm (L) x 438 mm (W) x 87.6 mm (H) 27.87"(L) x 17.24"(W) x 3.45"(H)					640.43 mm (L) x 438 mm (W) x 43.2 mm (H) 25.21"(L) x 17.24"(W) x 1.7"(H)		707.8 mm (L) x 438 mm (W) x 87.6 mm (H) 27.87"(L) x 17.24"(W) x 3.45"(H)	640.43 mm (L) x 438 mm (W) x 43.2 mm (H) 25.21"(L) x 17.24"(W) x 1.7"(H)	
Packaging Dimensions	914.4 mm (L) x 609.6 mm (W) x 355.6 mm (H) 36"(L) x 24"(W) x 14"(H))					914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)		914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)	914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)	
Weight (without packaging)	54 lbs					24 lbs	24 lbs	54 lbs	54 lbs	27 lbs
Rail Information	Mounting rail kit included Orderable spare part numbers: RMK-1-VRAIL, RMK-1-PRAIL									
RoHS Compliant	✓					✓		✓		✓

11. Requires compatible SFPs.
12. Flow rates shown are available with Flow Gateway 10.0.5 and later releases. Earlier versions had flow limits of 100,000, 200,000, 500,000, 800,000 and 1,400,000 respectively.
13. 1U models PS are rated for 450W, 2U models PS are rated for 750W.
14. Operating altitude up to 10,000 feet.
15. Length is without bezel, rack ears, cables.

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SteelCentral NetProfiler Solutions

Power and Physical Specifications

SteelCentral Flow Gateway

Model	SCFG-02270 Series					
Configuration	F1	F2	F3	F4	F5	F6
Dual Power Supplies (redundant)[13]	✓					
Power [Watts] (typical)	117W					
BTU	398					
Temperature[14]	10-35°C (50-95°F)					
Relative Humidity (shipping)	50-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25-35°C)					
Operating Acoustic Noise (typical)	7.0 BA (operating condition in typical office ambient temperature: 23 +/- 2°C)					
Rack Size	1U					
System Dimension (L x W x H)[15]	640.43 mm (L) x 438 mm (W) x 43.2 mm (H) 25.21"(L) x 17.24"(W) x 1.7"(H)					
Packaging Dimensions	914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)					
Weight (without packaging)	26 lbs					
Rail Information	Mounting rail kit included Orderable spare part numbers: RMK-1-VRAIL, RMK-1-PRAIL					
RoHS Compliant	✓					

SteelCentral NetShark Solutions

Model Specifications

SteelCentral NetShark

Model	2170	4170	6170	Storage Units (for Model 6170 only)	
				48TB Storage Unit	72TB Storage Unit
Product SKU	SCAN-02170	SCAN-04170	SCAN-06170	SCAN-SU-48TB	SCAN-SU-72TB
Storage	8TB	32TB	None (requires attached SCAN-SU-48TB or SCAN-SU-72TB storage unit)	48TB	72TB
Capture Disk Capacity[1]	2 x 4TB	8 x 4TB	N / A	12 x 4TB	12 x 6TB
Capture Disk Redundancy	SW RAID level 0	HW RAID level 0 (default), 5, 6	N / A	HW RAID level 0 (default), 5, 6	HW RAID level 0 (default), 5, 6
Operating System Disk Capacity[2]	2 x 2TB	4 x 2TB	4 x 2TB	N / A	
Operating System Disk Redundancy	✓			N / A	
Operating System	customized Linux-based OS			N / A	
RAM (GB)	32	64		N / A	
Available Network Interface Card Slots	1	2		N / A	
Available Capture Ports (max)[3]	4 x 1GbE (copper or fiber) or 2 x 10GbE fiber	8 x 1GbE (copper or fiber) or 8 x 10GbE ports (fiber) or 4 x 1GbE (copper or fiber) + 4 x 10GbE (fiber)		N / A	
Management Port (10/100/1000 RJ45)	2			N / A	

1. Raw Disk Capacity. 1TB = 10^12 Bytes. It does not not take into account disk formatting or RAID overhead.
2. Raw Disk Capacity. 1TB = 10^12 Bytes. It does not not take into account disk formatting or OS usage.
3. Supported NICs-1GbE-quad port copper; 1GbE-dual port fiber; 10GbE-quad port fiber, 10GbE-dual port fiber. 10GbE fiber ports are available with SR and LR SFP+ inserts (LC connectors) or SFP+ copper Twinax direct-attach cables. 1GbE fiber ports are available with SX and LX SFP inserts (LC connectors).

SteelCentral NetShark Solutions

Power and Physical Specifications

SteelCentral NetShark

Model	2170	4170	6170	Storage Units (for Model 6170 only)	
				48TB Storage Unit	72TB Storage Unit
Product SKU	SCAN-02170	SCAN-04170	SCAN-06170	SCAN-SU-48TB	SCAN-SU-72TB
Dual Power Supplies (redundant)	✓				
Power [Watts] (typical)	135W	318W	259W	217W	254W
BTU	458	1082	881	737	865
Line Power Requirements	90-132V and 180-264V 47-63Hz				
Operating Temperature[4]	10-35°C (50-95°F)				
Humidity (shipping)	50-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25-35°C)				
Rack Size	1U	2U	2U	2U	2U
System Dimensions (L x W x H)[5]	640.43 mm (L) x 438 mm (W) x 43.2 mm (H) 25.21"(L) x 17.24"(W) x 1.7"(H)	707.8 mm (L) x 438 mm (W) x 87.6 mm (H) 27.87"(L) x 17.24"(W) x 3.45"(H)		640.3 mm (L) x 438 mm (W) x 87.6 mm (H) 25.21"(L) x 17.24"(W) x 3.45"(H)	
Packaging Dimensions (L x W x H)[6]	914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)	914.4 mm (L) x 609.6 mm (W) x 355.6 mm (H) 36"(L) x 24"(W) x 14"(H)			
Max Weight (without packaging)	29 lbs	53 lbs	42.5 lbs	46 lbs	
Rail Information[7]	Mounting rail kit included Orderable spare part numbers: RMK-1-VRAIL, RMK-1-PRAIL				
RoHS Compliant	✓				

SteelCentral NetShark Virtual Edition

Model	VSK-00050	VSK-00200	VSK-00400
Product Storage	Up to 50GB	Up to 1TB	Up to 2TB
Hypervisor	VMware ESXi 5.0, 5.1, 5.5, and Microsoft Hyper-V Server 2012 R2		
vCPU	2		
Memory	2GB		
System Disk Space	30GB		
Capture Ports	Up to 4		
Management Ports	2		

4. Operating altitude up to 10,000 feet.

5. Length is without bezel or cables.

6. Packaging dimensions do not include the pallet on which the unit might be shipped.

7. The included rails fit square hole and un-threaded round hole racks.

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SteelCentral NetShark Solutions

Power and Physical Specifications

SteelCentral NetShark on SteelHead EX

Model	LIC-RPM-560	LIC-RPM-760	LIC-RPM-1160	LIC-RPM-1260	LIC-RPM-1360
SteelHead EX Model	560	760	1160	1260	1360
SteelHead EX Release	SteelHead EX 3.1 or later				
vCPU	2				
Memory	2GB				
System Disk Space	30GB				
Capture Ports	Up to 2 (AUX, Primary)				

SteelCentral NetShark Virtual on SteelFusion Edge

Model	SCAN-SFED-0020	SCAN-SFED-0030	SCAN-SFED-0040
SteelFusion Edge Model	2100 and 2200	3100	3200 and 5100
SteelFusion Release	SteelFusion 4.0		
vCPU	2		
Memory	2GB		
System Disk Space	30GB		
Capture Ports	Up to 2 (AUX, Primary)		

SteelCentral NetExpress

Model Specifications

SteelCentral NetExpress

Model	SCNE-00470				
Configuration	F1	F2	F3	F4	F5
Flow Capacity (flows per minute)[1]	15,000	30,000	60,000	90,000	120,000
System Disk Capacity[2]	8TB				
Capture Disk Capacity[3]	4TB				
RAID	RAID 1 / RAID 0				
Front-Swappable Disks[3]	4				
RAM	32GB				
Serial Port (RJ-45 connector)	✓				
Available Traffic Monitoring/Packet Capture Ports	4-port 1GbE copper or 4-port 1GbE fiber SFP or 2-port 10GbE fiber SFP+[6]				
Primary SteelCentral Management Port[4] (10/100/1000 RJ45)	✓				
Flow as Data Source[7]	✓				

1. Flow capacity can be expanded up to the amount listed.
2. Raw Disk Capacity does not not take into account disk formatting, RAID overhead, software installation, or OS usage.
3. Hot swappable disks.
4. 1000/Full connection required in some configurations.

5. Packet Analyzer is recommended to access packet data captured by the NetExpress appliance and one concurrent license is included with the appliance for this purpose.
6. Requires compatible SFP (SX, LX)/SFP+(SR, LR) inserts.
7. Accepts NetFlow (V1, V5, V7, and V9), Enhanced NetFlow, IPFIX, cFlow, Cisco NBAR and NBAR2, Cisco MediaNet, Cisco ASA NSEL, Citrix AppFlow, sFlow V2 and V5, J-Flow, Packeteer FDR, Palo Alto Networks, and SteelCentral Flow from SteelHead appliances.

SteelCentral NetExpress

Power and Physical Specifications

Model	SCNE-00470[5]
Due Power Supplies [redundant, 450 Watts]	✓
Power [Watts] (typical)	135W
BTU	458
Temperature[8]	10-35°C (50-95°F)
Relative Humidity (shipping)	50-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25-35°C)
Operating Acoustic noise (typical)	7.0 BA (operating condition in typical office ambient temperature: 23 +/- 2°C)
Rack Size	1U
System Dimensions (L x W x H)[9]	640.43 mm (L) x 438 mm (W) x 43.2 mm (H) 25.21"(L) x 17.24"(W) x 1.7"(H)
Packaging Dimensions	914.4 mm (L) x 609.6 mm (W) x 330.2 mm (H) 36"(L) x 24"(W) x 13"(H)
Max Weight (without packaging)	29 lbs
Rail Information	Mounting rail kit included Orderable spare part numbers: RMK-1-VRAIL, RMK-1-PRAIL
Flow as Data Source[7]	✓

SteelCentral NetProfiler Virtual Edition

System Requirements

SteelCentral NetProfiler Virtual Edition

Configuration	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Flow Capacity	15,000	30,000	60,000	90,000	200,000	400,000	600,000	800,000	1,000,000	2,000,000
Hypervisor	VMware ESXi 5.0, 5.1, 5.5				VMware ESXi 5.0, 5.1, 5.5		VMware ESXi 5.0, 5.1, 5.5			
vCPU	4 CPUs minimum				4 CPUs minimum / 8 CPUs recommended		8 CPUs recommended		8 CPUs minimum / 12 CPUs recommended	
	4 x 2GHz recommended				4 x 2GHz recommended		4 x 2GHz recommended			
RAM	8GB minimum / 12GB recommended				12GB minimum / 16GB recommended		16GB minimum / 32GB recommended	32GB minimum / 48GB recommended		48GB minimum / 64GB recommended
System Disk Space	250GB				250GB		250GB			
Flow Storage	250GB minimum / 50TB maximum									
Management Ports	2				2		2			2

8. Operating altitude up to 10,000 feet.
9. Length is without bezel, rack ears, cables.

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SteelCentral Flow Gateway Virtual Edition, and SteelCentral NetExpress Virtual Edition

System Requirements

SteelCentral Flow Gateway Virtual Edition

Configuration	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Flow Capacity	15,000	30,000	60,000	90,000	200,000	400,000	600,000	800,000	1,000,000	2,000,000
Hypervisor	VMware ESXi 5.0, 5.1, 5.5				VMware ESXi 5.0, 5.1, 5.5		VMware ESXi 5.0, 5.1, 5.5			
vCPU	2 CPUs minimum				2 CPUs minimum / 4 CPUs recommended		4 CPUs recommended		4 CPUs minimum / 8 CPUs recommended	
	4 x 2GHz recommended				4 x 2GHz recommended		4 x 2GHz recommended			
RAM	2GB minimum / 4GB recommended				4GB minimum / 8GB recommended		8GB minimum / 16GB recommended		16GB minimum / 24GB recommended	24GB minimum / 32GB recommended
System Disk Space	50GB									
Flow Storage	Up to 2TB				250GB minimum / 2TB maximum		250GB minimum / 2TB maximum			
Management Ports	2				2		2			2

SteelCentral NetExpress Virtual Edition

Configuration	F1	F2	F3	F9	F10
Flow Capacity	15,000	30,000	60,000	90,000	120,000
Hypervisor	VMware ESXi 5.0, 5.1, 5.5				
vCPU	4 CPUs minimum / 8 CPUs recommended				
	4 x 2GHz recommended				
RAM	8GB minimum / 16GB recommended			16GB minimum / 32GB recommended	
System Disk Space	350GB				
Flow Storage	250GB minimum / 4TB maximum				
Packet Storage Space	250GB minimum / 4TB maximum				
Management Ports	2				

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