

# STEELCENTRAL PRODUCT FAMILY SPECIFICATIONS

## RIVERBED® STEELCENTRAL™ NETPROFILER SOLUTIONS MODEL SPECIFICATIONS

Model	SteelCentral NetProfiler							
	CAP-2260 Series <sup>10</sup>			CAP-4260 <sup>3,6,7</sup>			CAP-4260 <sup>3,6,7</sup> Expansion	
	L	M	H	CAP-4260-UI	CAP-4260-DB	CAP-4260-AN	CAP-4260-EX	CAP-4260-DP
Flow Capacity (Flows per Minute) <sup>8</sup>	150,000	300,000	600,000	N/A	N/A	800,000	400,000	N/A
Disk Capacity <sup>1</sup>	12TB			2TB	2TB	24TB	24TB	2TB
Optional Fibre Channel SAN Support	✓			-	-	✓	✓	-
RAID	RAID 1 / RAID 10			RAID 1	RAID 1	RAID 1 / RAID 10	RAID 1 / RAID 10	RAID 1
Front-Swappable Disks <sup>5</sup>	12			2	2	12	12	2
RAM	32GB			32GB	32GB	32GB	32GB	32GB
Serial Port (9-pin D-subminiature connector)				✓				
Primary SteelCentral Management Port <sup>2</sup> (10/100/1000 RJ45)				✓				
Flow as Data Source (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)				Requires SteelCentral Flow Gateway				

Model	SteelCentral Flow Gateway				
	CAG-2260 Series <sup>4,11</sup>				
	F1	F2	F3	F4	F5
Flow Capacity (Flows per Minute) <sup>8</sup>	150,000	300,000	600,000	800,000	1,400,000
Disk Capacity <sup>1</sup>	2TB				
Optional Fibre Channel SAN Support	-				
RAID	RAID 1				
Front-Swappable Disks <sup>5</sup>	2				
RAM	8GB				
Serial Port (9-pin D-subminiature connector)				✓	
Primary SteelCentral Management Port <sup>2</sup> (10/100/1000 RJ45)				✓	
Flow as Data Source (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)				✓	

1) Raw Disk Capacity does not take into account disk formatting, RAID overhead, software installation, or OS usage

2) 1000/Full connection required in some configurations

3) CAP4260 system includes-CAP4260-UI, CAP4260-DB, and CAP4260-AN, plus one or more CAP-4260-EX expansion modules (for a maximum of seven) Each additional CAP-4260-EX adds 400K FPM. CAP-4260-DP is required with addition of fifth CAP-4260-EX.

4) Each SteelCentral Flow Gateway model can report to up to two SteelCentral NetProfilers and forward flow to two third-party flow collectors

5) Hot swappable disks<sup>6</sup> CAP4260-ANIEX equipped with RAID 1 / RAID 10 (24TB); CAP4260-UI/DB equipped with RAID 1 (2TB)

7) CAP4260-ANIEX equipped with 12 Front-Swappable Disks;

CAP4260-UI/DB equipped with 2 Front-Swappable Disks

8) Flow capacity can be expanded up to the amount listed.

9) Requires compatible SFPs

10) Flow rates shown are available with SteelCentral NetProfiler 10.0.5 and later releases. Earlier versions had flow limits of 100,000, 200,000 and 500,000 respectively.

11) Flow rates are available with Flow Gateway 10.0.5 and later releases. Earlier versions had flow limits of 100,000,

12) 200,000, 500,000, 800,000 and 1,400,000 respectively. SteelCentral Packet Analyzer is recommended to access packet data captured by the 460 appliance and one license is included with the appliance for this purpose.

## POWER AND PHYSICAL SPECIFICATIONS

	SteelCentral NetProfiler and Flow Gateway	
Model	CAG-2260 Series, CAP-4260-UI/DB/DP	CAP-2260 Series, CAP-4260-AN/EX
Dual Power Supplies (Redundant, 750 Watt)	✓	✓
Power [Watts] (Typical)	300	420
BTU	1024	1433
Temperature <sup>1,3</sup>	10 - 40 deg C / 50 - 95 deg F (Operating) -40 - 65 deg C / -40 - 149 deg F (Storage)	
Relative Humidity	20% - 80% non-condensing (Operating) 5% - 95% non-condensing (Storage)	
Operating Acoustic noise (Typical)	61.6 dBA	65.6 dBA
Rack Size	1U	2U
System Dimensions (LxWxH) <sup>1,4</sup>	25.4x17.2x1.7 in 644.4x436.1x43.4 mm	25.4x17.2x3.4 in 644.4x436.1x87.1 mm
Packaging Dimensions	36.25x23.38x12.5 in 920.8x593.7x317.5 mm	
Max Weight (without packaging)	36 Lbs/16.36 Kg	60 Lbs./27.26 Kg
Rail Information	Mounting rail kit included. Orderable spare part RMK-002A	
RoHS Compliant	✓	✓

## STEELCENTRAL NETSHARK SOLUTIONS MODEL SPECIFICATIONS

	SteelCentral NetShark				
	1000 Series	2000 Series		3000 Series	
Model	CSK-01100	CSK-02100	CSC-02200	CSK-03100	CSK-03200
Storage	4TB	8 TB	16TB	16TB	32TB
Capture Disk Capacity <sup>1</sup>	4 x 1TB	8 x 1TB	8 x 2TB	16 x 1TB	16 x 2TB
Operating System Disk Capacity <sup>1</sup>	500GB				
Operating System	Customized Linux-based OS				
DVD-ROM	Yes				
RAID	H/W RAID level 0			2x H/W RAID level 0 + S/W RAID level 0	
Internal Disk Drives	4	8		16	
RAM (GB)	6	12		24	
Available Network Interface Card Slots	1	2			
Available Capture Ports (max) <sup>2</sup>	2 x 1GbE (Copper or Fiber) OR 4 x 1GbE (Copper or Fiber)	8 x 1GbE (Copper or Fiber) OR 4 x 10GbE ports (Fiber) OR 4 x 1GbE (Copper or Fiber) + 2 x 10GbE (Fiber)			
Management Port (10/100/1000 RJ45)	2				

1) Raw Disk Capacity does not take into account disk formatting, RAID overhead, software installation, or OS usage.

2) Supported NICs- 1GbE dual-port copper (on 1100 only); 1GbE-quad port copper, 10GbE-dual port Fiber ports are available with SR and LR SFP (LC connectors).

## POWER AND PHYSICAL SPECIFICATIONS

Model	SteelCentral NetShark		
	1000 Series	2000 Series	3000 Series
Dual Power Supplies (Redundant)	No	Yes	Yes
Power [Watts] (Typical)	350	450	600
BTU	1200	1530	2050
Line Power Requirement	100-240 VAC 9-4A 50-60Hz		100-240 VAC 9A-4A 50-60Hz
Operating Temperature <sup>3</sup>	10° to 35°C (50° to 95°F)		
Operating Relative Humidity	8% to 90% (non-condensing)		
Rack Size	1U	2U	3U
System Dimensions (LxWxH) <sup>4</sup>	25.6"x17.2"x1.7"	25.5"x17.2"x3.5"	25.5"x17.2"x5.2"
Packaging Dimensions (LxWxH) <sup>5</sup>	36.5"x25.5"x12.5"	36.5"x25.5"x12.2"	39"x27"x20"
Max Weight (without packaging) <sup>6</sup>	34lbs	57lbs	88lbs
Rail Information <sup>7</sup>	RMK-CSK-0001	RMK-CSK-0002	RMK-CSK-0003
RoHS Compliant	Yes		

### SteelCentral NetShark Virtual Edition

Model	VSK-00050	VSK-00200	VSK-00400
Packet Storage	Up to 50GB	Up to 1TB	Up to 2TB
Hypervisor	VMware ESXi 5.0, 5.1, 5.5		
vCPU	2		
Memory	2GB		
System Disk Space	30GB		
Capture Ports	Up to 4		
Management Ports	2		

### 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 Packet Analyzer

Operating System <sup>8</sup>	Windows XP, Windows Vista, Windows 7, and Windows 8 (32 bit/64 bit, Home, Premium, Enterprise, Professional, Ultimate)
CPU	Dual-core 2.0 GHz CPU or better
Memory	2 GB RAM
Disk Space	300MB free disk space, plus additional storage for trace files, reports & logs
Video	Graphics card with minimum resolution of 1024 x 768

<sup>3</sup>) Operating altitude up to 10,000 feet

<sup>4</sup>) Length is without bezel, cables

<sup>5</sup>) Packaging dimensions do not include the pallet on which the unit might be shipped.

<sup>6</sup>) Weight includes the rails.

<sup>7</sup>) The included rails fit square hole and un-threaded round hole racks

<sup>8</sup>) Administrator rights required for installation and operation

The availability, export or re-export of these products or specific features are subject to the export laws and regulations of the U.S. and the laws and regulations of any applicable foreign agency or authority.

# STEELCENTRAL NETEXPRESS 460 APPLIANCE

## MODEL SPECIFICATIONS

SteelCentral NetExpress	SteelCentral NetExpress 460 <sup>6</sup>				
Model	CAX-460-U	CAX-460-L	CAX-460-M	CAX-460-H	CAX-460-VH
Flow Capacity (Flows per Minute) <sup>1</sup>	15,000	30,000	60,000	90,000	120,000
System Disk Capacity <sup>2</sup>	1TB				
Capture Disk Capacity <sup>2</sup>	4TB				
RAID	RAID 1 / RAID 0				
Front-Swappable Disks <sup>3</sup>	4				
RAM	16GB				
Serial Port (9-pin D-subminiature connector)	✓				
Available Traffic Monitoring/Package Capture Ports	4-port copper (built-in), 2-port 10G Fiber LR, 2-port 10G Fiber SR <sup>5</sup>				
Primary SteelCentral Management Port <sup>4</sup> (10/100/1000 RJ45)	✓				
Flow as Data Source <sup>7</sup>	✓				

1) Flow capacity can be expanded up to the amount listed.

2) Raw Disk Capacity does 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) Requires compatible SFPs

6) SteelCentral Packet Analyzer is recommended to access packet data captured by the 460 appliance and one license is included with the appliance for this purpose.

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

## POWER AND PHYSICAL SPECIFICATIONS

Model	SteelCentral NetExpress 460
Dual Power Supplies (Redundant, 750 Watt)	✓
Power [Watts] (Typical)	300
BTU	1024
Temperature <sup>7</sup>	10 - 40 deg C / 50 - 95 deg F (Operating) -40 - 65 deg C / -40 - 149 deg F (Storage)
Relative Humidity	20% - 80% non-condensing (Operating) 5% - 95% non-condensing (Storage)
Operating Acoustic noise (Typical)	61.6 dBA
Rack Size	1U
System Dimensions (LxWxH) <sup>8</sup>	25.4x17.2x1.7 in 644.4x436.1x43.4 mm
Packaging Dimensions	36.25x23.38x12.5 in 920.8x593.7x317.5 mm
Max Weight (without packaging)	36 Lbs/16.36 Kg
Rail Information	Mounting rail kit included. Orderable spare part RMK-002A
RoHS Compliant	✓

7) Operating altitude up to 10,000 feet

8) Length is without bezel, rack ears, cables

# STEELCENTRAL NETPROFILER VIRTUAL EDITION, STEELCENTRAL FLOW GATEWAY VIRTUAL EDITION, AND STEELCENTRAL NETEXPRESS 460 VIRTUAL EDITION

## SYSTEM REQUIREMENTS

SteelCentral NetProfiler Virtual Edition							
Model	CAP-VE-100-F1	CAP-VE-100-F2	CAP-VE-100-F3	CAP-VE-100-F4	CAP-VE-100-F5	CAP-VE-100-F6	CAP-VE-100-F7
Flow Capacity	15,000	30,000	60,000	90,000	150,000	300,000	600,000
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				4 CPUs	4 CPUs minimum / 8 CPUs recommended	4 CPUs minimum / 8 CPUs recommended
	4 X 2 GHz recommended				4 X 2 GHz recommended		4 X 2 GHz recommended
RAM	4 GB minimum / 8GB recommended		8 GB minimum / 12 GB recommended		12 GB minimum / 16 GB recommended		16 GB minimum / 32 GB recommended
System Disk Space	250 GB				250 GB		250 GB
Flow Storage	up to 2 TB				250 GB minimum / 2 TB maximum		250 GB minimum / 2 TB maximum
Management Ports	2				2		2

SteelCentral Flow Gateway Virtual Edition							
Model	CAG-VE-100-F1	CAG-VE-100-F2	CAG-VE-100-F3	CAG-VE-100-F4	CAG-VE-100-F5	CAG-VE-100-F6	CAG-VE-100-F7
Flow Capacity	15,000	30,000	60,000	90,000	150,000	300,000	600,000
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		2 CPUs minimum / 4 CPUs recommended
	4 X 2 GHz recommended				4 X 2 GHz recommended		4 X 2 GHz recommended
RAM	2 GB				2 GB minimum / 4 GB recommended		4 GB minimum / 8 GB recommended
System Disk Space	50 GB				50 GB		50 GB
Management Ports	2				2		2

SteelCentral NetExpress 460 Virtual Edition					
Models	CAX-VE-460-F1	CAX-VE-460-F2	CAX-VE-460-F3	CAX-VE-460-F4	CAX-VE-460-F5
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 2 GHz recommended				
RAM	8 GB minimum / 12 GB recommended			12 GB minimum / 16 GB recommended	12 GB minimum / 16+ GB recommended
System Disk Space	350 GB				
Flow Storage Space	250 GB minimum / 2 TB maximum				
Packet Storage Space	250 GB minimum / 2 TB maximum				
Management Ports	2				

## ABOUT RIVERBED

Riverbed at more than \$1 billion in annual revenue is the leader in Application Performance Infrastructure, delivering the most complete platform for Location-Independent Computing. Location-Independent Computing turns location and distance into a competitive advantage by allowing IT to have the flexibility to host applications and data in the most optimal locations while ensuring applications perform as expected, data is always available when needed, and performance issues are detected and fixed before end users notice. Riverbed's 25,000+ customers include 97% of the *Fortune* 100 and 95% of the *Forbes* Global 100. Learn more at [www.riverbed.com](http://www.riverbed.com).