

SteelHead Product Family

Riverbed® SteelHead™

Model Specifications

SteelHead CX

		Bran	ch Office Steel	Head		Mid-Size Office SteelHead						
Model		CX255	Series			CX570 Series			CX770 Series			
Configurations	U	L	М	Н	L	М	Н	L	М	Н		
Profile					Des	Desktop						
Upgradeable to	255 L/M/H	255 M/H	255 H	-	570 M/H	570 H	-	770 M/H	770 H	-		
Optimized TCP Connections & UDP Flows	50	75	150	230	275³	450³	700³	1,000³	1,500	2,500³		
Optimized SSL/TLS Connections	30	73	130	230	273	430	700	1,000	1,300	2,000		
Optimized WAN Capacity ¹	2 Mbps	pps 6 Mbps			10 Mbps³	10 N	/lbps	20 N	lbps³	30 Mbps³		
Network Services – WAN Capacity ²	10 Mbps³	0 Mbps³ 30 Mbps³				50 Mbps³			100 Mbps ³			
Network Services – Flows ⁴		8,000				8,000			16,000			
Network Services – Rules/ Classes ⁵		30	00		500			1,000				
Data Store Capacity		50	GB		70 GB SSD			150 GB SSD				
Web Proxy Cache Capacity		50	GB		50 GB			50	GB	100 GB ¹¹		
Storage Fault Tolerance			-			-			-			
Hot Swappable Drives			-			-			-			
RAM ¹⁰		2 (GB			2 GB			4 GB			
Expansion Slots (PCI-e) ⁷	-					-			-			
Included Bypass Ports (Copper)		:	2		4			4				
Max. # of Bypass Ports		2	2			4		4				
SteelHead SD Capable		N	lo			Yes			Yes			

NOTE: SD Capable includes SteelHead SD for SD-WAN and SteelHead SD Ready for software-upgradeable SD-WAN.

Model Specifications

SteelHead CX

			Lar	ge Office or Dat	a Center SteelH	ead				
Model		CX3070 Series		CX5070	OSeries		CX7070 Series			
Configuration	L	М	Н	М	Н	L	М	Н		
Profile		1U		2U						
Upgradeable to	3070 M/H	3070 H -		5070 H	-	7070 M/H	7070 H	-		
Optimized TCP Connections & UDP Flows	0.000			40.000			440.000	400.000		
Optimized SSL/TLS Connections	3,000	6,000	9,000	16,000	30,000	80,000	110,000	180,000		
Optimized WAN Capacity ¹	50 Mbps	100 Mbps		200 Mbps	400 Mbps	622 Mbps	1 Gbps	2 Gbps ^{8,9}		
Network Services – WAN Capacity ²	250 Mbps	0 Mbps 500 Mbps				Unrestricted				
Network Services – Flows ⁴		48,000		96,	000	192,000	256,000	512,000		
Network Services – Rules/Classes⁵		2,000			4,000					
Data Store Capacity		320 GB SSD		960 G	960 GB SSD 1.8 TB		2.4 TB SSD	4.8 TB SSD		
Web Proxy Cache Capacity		200 GB		300) GB		400 GB			
Storage Fault Tolerance		RAID ⁶				RAID ⁶				
Hot Swappable Drives		4		8	3	8	10	18		
RAM ¹⁰		12 GB		24	GB	48 GB	64 GB	128 GB		
Expansion Slots (PCI-e) ⁷	2					4				
Included Bypass Ports (Copper)	4			4						
Max. # of Bypass Ports		12				20				
SteelHead SD Capable		Yes				No				

- Optimized WAN capacity limit is enforced on outbound optimized traffic. Inbound optimized WAN traffic is not capped
- Maximum outbound WAN throughput. For Steel Head SD models the WAN capacity is equivalent to VPN throughput performance. Full VPN throughput spec for SteelHead SD 3070M/H models may not be achievable in all environments
- 3. RiOS 8.6.2b or later
- 4. Inclusive of all optimized and/or managed flows
- $5. \quad \mathsf{Maximum}\,\mathsf{number}\,\mathsf{of}\,\mathsf{classes}\,\mathsf{plus}\,\mathsf{rules}.\,\mathsf{Not}\,\mathsf{applicable}\,\mathsf{to}\,\mathsf{SteelHead}\,\mathsf{SD}\,\mathsf{models}$
- $6. \quad {\sf RAID1} \ configuration \ for \ {\sf HDD}, \ {\sf Data} \ store \ uses \ fault \ tolerant \ striped \ ({\sf FTS}) \ configuration$
- Optional Network Bypass cards: Dual and Quad LX and SX GigE Fiber GigE, Quad Copper GigE, 10GbE SR/LR
- 8. No enforced optimized WAN bandwidth limit
- 9. 7070-H WAN capacity is specified at up to 2 Gbps for branch-to-data Center workloads and up to 3 Gbps for data center-to-data center workloads
- 10. SteelHead SD models have a larger RAM size: CX 570 = 8GB, CX 770 = 12GB, CX 3070 = 16GB
- 11. SteelHead SD model 770H Web Proxy Cache Capacity is $50\mathrm{GB}$

NOTE: All WAN capacities, connections, flows and rules/classes specifications listed are maximums and may not be achieved simultaneously and/or in all environments $\,$

Riverbed® SteelHead™

Power and Physical Specifications

SteelHead CX

	Branch Office SteelHead	Mid-Size Offi	ce SteelHead	Large Office or Data Center SteelHead				
Model	CX255 Series	CX570 Series	CX570 Series CX770 Series		CX5070 Series	CX7070 Series		
Dual Power Supplies	-		_	√	√			
Power (Watts) Typical	30	45 50		123	233 416			
вти	102	145	165	418	794	1419		
Temperature ²		, 45°C / 32-113°F (Operatii)-65°C / -40-149°F (Stora	0.	10-35°C / 50-95°F (Operating) -40-70°C / -40-158°F (Storage)				
Relative Humidity ¹		0%, non-condensing (Ope	0,	20%-80%, non-condensing (Operating) ⁴				

SteelHead CX

	Branch Office SteelHead	Mid-Size Offi	ce SteelHead	Large Office or Data Center SteelHead				
Model	CX255 Series	CX570 Series	CX770 Series	CX3070 Series	CX5070 Series	CX7070 Series		
Operating Acoustic Noise (Typical)		45 dBA		7.0 BA (operating condition in typical office ambient temperature: 23 +/- 2°C)				
System Dimensions (LxWxH) ³		13.0" x 8.0" x 1.73" 330 x 204 x 44mm		25.21" x 17.24" x 1.7" 640.43 x 438 x 43.2mm	27.87" x 17.24" x 3.45" 707.8 x 438 x 87.6 mm			
Packaging Dimensions		17.7" x 12.2" x 7" 450 x 310 x 180 mm		36" x 24" x 13" 914.4 x 609.6 x 330.2 mm	36" x 24" x 14" 914.4 x 609.6 x 355.6 mm			
Weight (without packaging)	5.5 lbs 2.4 kg		bs kg	27 lbs 12.25 kg	41 lbs 18.59 kg	42 lbs 19.05 kg		
Rail Information	Included spa	re part RMK-010, Ordera	ble RMK-016	Mounting Rail Included Orderable Spare Part Numbers: RMK-1-VRAIL, RMK-1-PRAIL				

- 1. Operating altitude up to 10,000 feet except in China 6,562 feet (2,000m)
- 2. In China for use in non-tropical locations
- 3. Length is without bezel

- 4. Max dew point of 21° C / 69.8° F
- 5. Maximum wet bulb of 28° C / 82.4° F (at temperatures from 25-35° C / 77 95° F) NOTE: The availability, export or re-export of these products or specific features are subject to the export laws and regulations of the U.S., EU, Singapore, and the laws and regulations of any applicable foreign agency or authority

Riverbed® SteelHead™

Model Specifications

SteelHead GX

	Large Office / Data Center SteelHead
Model	GX 10000
Profile	2U
Optimized TCP Connections & UDP Flows Optimized SSL/TLS Connections	270,000
Optimized WAN Capacity ¹	10 Gbps
Network Services – WAN Capacity ²	10 Gbps
Network Services – Flows ³	768,000
Network Services - Rules/Classes ⁴	4,000
Data Store Capacity	9.6 TB SSD
Web Proxy Cache Capacity	400 GB
Storage Fault Tolerance	RAID⁵
Hot Swappable Drives	12
RAM	256 GB
Expansion Slots (PCI-e)	4
Max. # Bypass Ports (10 Gbps ports)	8 (4 Segments) ⁷
SteelHead SD Capable	No

- 1. Optimized WAN capacity limit is enforced on outbound optimized traffic. Inbound optimized ${\sf WAN\ traffic\ is\ not\ capped.\ Total\ system\ measured\ system\ capacity\ is\ 25\ Gbps\ (this\ is\ the\ total\ property)}$ of LAN and WAN bandwidth added together)
- 2. Maximum outbound WAN throughput is capped at 10 Gbps
- 3. Inclusive of all optimized and/or managed flows
- 4. Maximum number of classes plus rules

- 5. RAID1 configuration for HDD, Data store uses fault tolerant striped (FTS) configuration
- 6. Optional Network Bypass cards: Dual 10 GbE SR and / or LR
- 7. Total of four 2 port 10 GbE Bypass NICs

NOTE: All WAN capacities, connections, flows and rules/classes specifications listed are maximums and may not be achieved simultaneously and/or in all environments

Power and Physical Specifications

SteelHead GX

	Large Office / Data Center SteelHead
Model	GX 10000
Dual Power Supplies	Yes
Power (Watts) Typical	437
вти	1,490
Temperature ¹	10-35°C/50-95°F (Operating) -40-70°C/-40-158°F (Storage)
Relative Humidity ²	20%-80%, non-condensing (Operating) ³ 50%-90%, non-condensing (Storage) ⁴
Operating Acoustic Noise (Typical)	45 dBA
System Dimensions (LxWxH) ⁵	31.25" x 17.25" x 3.5" 793.8 x 439 x 89mm
Packaging Dimensions	37" x 24" x 11" 939.8 x 609.6 x 279.4mm
Max Weight (without packaging)	46 lbs 20.87 kg
Rail Information	Mounting Rail Kit Included Orderable Spare Part Number: RMK-1-VRAIL

^{1.} In China - for use in non-tropical locations

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Riverbed® SteelHead™

Model Specifications

SteelHead CX for Virtual

Model		VCX	255			VCX555			VCX755			VCX1555	
Configurations	U	L	M	Н	L	М	Н	L	М	Н	L	M	Н
Optimized WAN Capacity	2 Mbps	lbps 6 Mbps 6		6 Mbps	6 Mbps 10 Mbps		10 Mbps		20 Mbps	50 Mbps		100 Mbps³	
Optimized TCP and UDP Flows	50	75	150	230	250	400	650	900	1,500	2,300	3,000	4,500	6,000
QoS Bandwidth ¹	4 Mbps	Mbps 12 Mbps			12 Mbps	20 Mbps		45 Mbps			100 Mbps		
QoS Rules/Classes ²				No Pub	lished Limi	t (global Qo	oS limit of 2	,000 rules	and 2,000 c	classes)			
Disk Capacity Advised		88	GB		118 GB			140 GB 188 GB		438 GB			
Max Data Store Capacity		50	GB			80 GB 102 GB			GB	150 GB	400 GB		
Virtual CPUs Required (min)	1 x 1.0 Ghz				1 x 1.2 Ghz 2 x 1.2 Gl		2 x 1.2 Ghz	'	4 x 1.2 Ghz				
Reserved Memory Required		2 (ЗB		2 GB		2 GB 4		4 GB	8 GB			

^{2.} Operating altitude up to 10,000 feet except in China 6,562 feet (2,000m)

^{3.} Max dew point of 21° C / 69.8°F

^{4.} Maximum wet bulb of 28°C / 82.4°F (at temperatures from 25-35°C / 77 – 95°F)

^{5.} Length is without bezel

Model Specifications

SteelHead CX for Virtual

Model	VCX	5055	VCX	7055					
Configurations	М	Н	L	М					
Optimized WAN Capacity	200 Mbps³	400 Mbps³	622 Mbps³	1 Gbps³					
Optimized TCP and UDP Flows	14,000	25,000	75,000	100,000					
QoS Bandwidth ¹	Unlimited								
QoS Rules/Classes ²	No Published Limit (global QoS limit of 2,000 rules and 2,000 classes)								
Disk Capacity Advised	722	GB	1778 GB	2418 GB					
Max Data Store Capacity	8 x 8	0 GB	10 x 160 GB	14 x 160 GB					
Virtual CPUs Required (min)	12 x 1.	2 Ghz	16 x 1.2 Ghz	24 x 1.2 Ghz					
Reserved Memory Required	16	GB	32 GB	48 GB					

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Monthly Subscription Models

SteelHead CX for Virtual

Model	VCX-10	VCX-20	VCX-30	VCX-40	VCX-50	VCX-60	VCX-70	VCX-80	VCX-90
Optimized WAN Capacity	2 Mbps	5 Mbps	10 Mbps	20 Mbps	50 Mbps	100 Mbps	200 Mbps	500 Mbps	1000 Mbps
Optimized TCP and UDP Flows	50	200	500	1,000	2,000	5,000	12,000	50,000	100,000
Network Services	10 Mbps	25 Mbps	50 Mbps	100 Mbps	250 Mbps	500 Mbps		Unrestricted	
Disk Capacity Advised ⁴	70	100	120	176	438	438	870	1,686	2,358
Max Data Store Capacity	50	80	100	150	400	400	800	1,600	2,240
Management Disk	20	20	20	26	38	38	70	86	118
Maximum Web Proxy	200 GB	200 GB	400 GB	400 GB	800 GB	800 GB	800 GB	800 GB	800 GB
Virtual CPUs Required (min)	1	1	2	4	4	4	6	12	24
Reserved Memory Required	2 GB	2 GB	2 GB	4 GB	8 GB	8 GB	24 GB	32 GB	48 GB

- 1. Recommended maximum outbound QoS shaping capacity
- 2. Total of classes plus rules
- 3. SSD or other high IOPS storage medium required for VCX1555/5055/7055 models and VCX-30 to VCX-90 models
- 4. Without web-proxy activated

 $Available \ H/W\ NIC\ options\ are\ NIC-001-2TX\ (2\ port\ copper),\ NIC-002-4TX\ (4\ port\ copper),\ NIC-008-2SR\ (2\ port\ multimode\ fiber)$

 $Hyper-V \ is \ supported \ only for \ Models \ up \ to \ VCX \ 1555H \ (100Mbps) \ on \ Windows \ Server \ 2012 \ and \ Hyper-V \ Server \ 2012 \ running \ RiOS \ 8.0.3 \ and \ later \ Advisor \ RiOS \ R$ The Riverbed network bypass card is not supported on Hyper-V $\,$

 $NOTE: Virtual\ Steel Head\ guests\ must\ run\ at\ least\ RiOS\ 6.1\ or\ later,\ and\ support\ vSphere\ 4.0\ or\ later\ release,\ using\ ESX/ESXi\ 4.0\ or\ later.\ RiOS\ 6.5.x\ and\ support\ vSphere\ 4.0\ or\ later.\ RiOS\ 6.5.x\ and\ support\ suppo$ $later \, support \, ESXi \, 4.1. \, RiOS \, 6.5.2 \, and \, later \, support \, ESXi \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXi \, 5.1. \, Please \, refer to \, the \, VM ware \, system \, compatibility \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 5.0. \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 6.0.0 \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 6.0.0 \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 6.0.0 \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 6.0.0 \, RiOS \, 8.6.0 \, and \, later \, support \, ESXI \, 6.0.0 \, RiOS \, 8.6.0 \, And \, RiOS \,$ guide for servers supported with these VSphere/ESX/ESXi releases

 $Riverbed\ network\ by pass\ cards\ NIC-001-2TX\ ,\ NIC-002-4TX\ ,\ and\ NIC-003-4TX\ are\ supported\ by\ Virtual\ SteelHead\ guests\ running\ RiOS\ 7.0.1\ or\ later$ $Riverbed\ network\ by pass\ cards\ are\ supported\ only\ on\ ESXi\ 4.1\ and\ up\ for\ all\ current\ RiOS\ releases$

 $Riverbed\ network\ by pass\ cards\ NIC-008-2SR\ is\ supported\ by\ Virtual\ Steel Head\ guests\ on\ ESXi\ running\ RiOS\ 8.6.0\ or\ later$

NOTE: All WAN capacity / bandwidth, TCP connections and UDP flows, and QoS specifications listed are maximums and may not be achieved in all environments. The WAN capacity limit is enforced on outbound optimized traffic. Inbound optimized WAN traffic is not capped

Model Specifications

SteelHead CX for Amazon Web Services Cloud

Model	CCX PERF- TIER1	CCX PERF- TIER2	CCX PERF- TIER3	CCX PERF- TIER4	CCX PERF- TIER4-H	CCX PERF- TIER5	CCX PERF- TIER5-H		
Optimized WAN Capacity ¹	10 Mbps	50 Mbps	200 Mbps	500	Mbps	1 G	1 Gbps		
Optimized TCP Connections ²	1,250	4,500	9,000	1,000	30,000	1,000	50,000		
Total Elastic Block Store (EBS) Volume Size	430 GB			960) GB	2.4 TB			
Amazon Machine Instance (AMI) Size ³	m3.l	arge	m3.xlarge	m4.4	xlarge	m4.10xlarge			

^{1.} Optimized WAN capacity-inbound and outbound

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Model Specifications

SteelHead CX for VMware ESX Cloud

Model	CCX PERF- TIER1	CCX PERF- TIER2	CCX PERF- TIER3	CCX PERF- TIER4	CCX PERF- TIER4-H	CCX PERF- TIER5	CCX PERF- TIER5-H			
Optimized WAN Capacity ¹	10 Mbps	50 Mbps	200 Mbps	N/A						
Optimized TCP Connections ²	1,250	4,500	9,000	N/A						
Disk Capacity Required		430 GB		N/A						
Virtual CPUs Required	2 x 1.2 Ghz	4 x 1.2 Ghz	4 x 2.2Ghz	N/A						
Reserved Memory Required	3 GB	8 GB	14 GB	N/A						

^{1.} Optimized WAN capacity-inbound and outbound

Riverbed® SteelHead™

Model Specifications

SteelHead CX for Microsoft Azure Cloud

Model	CCX PERF- TIER1	CCX PERF- TIER2	CCX PERF- TIER3	CCX PERF- TIER4	CCX PERF- TIER4-H	CCX PERF- TIER5	CCX PERF- TIER5-H	
Optimized WAN Capacity ¹	10 Mbps	50 Mbps	200 Mbps	500	Mbps	1 Gbps		
Optimized TCP Connections ²	1,250	4,500	9,000	1,000	30,000	1,000	50,000	
Total Azure Blob Storage Volume Size		430 GB		1.2	TB	2.4 TB		
Azure Target	A2	А3	D3 v2	D14 v2 D18		5 v2		

^{1.} Optimized WAN capacity-inbound and outbound

^{2.} Optimized WAN capacity and TCP connections are limited up to the listed amounts

^{3.} CPU and memory capacity are fixed for any Amazon Machine Instance (AMI) size $\,$

^{2.} Optimized WAN capacity and TCP connections are limited up to the listed amounts

^{2.} Optimized WAN capacity and TCP connections are limited up to the listed amounts

Model Specifications

SteelHead Interceptor, SteelCentral™ Controller for SteelHead or SCC (formerly Central Management Console or CMC), SteelCentral Controller for SteelHead Mobile or SCCM (formerly SteelHead Mobile Controller or SMC)

	Data Center Management		
Model	INT9600	SCC1000	SMC9000
Profile	2U	1	U
Effective LAN Throughput	40 Gbps ^{1,2}		-
Storage Fault Tolerance	RAID		-
Front Swappable Drives	2 ³		25
RAM	32	GB	16 GB
Expansion Slots (PCI-e)	64		-
Included Bypass Ports (Copper)	4		-
Max. # of Bypass Ports	24		-
Max. # of Manageable Appliances	-	2,000	-

^{1.} All LAN capacity, bandwidth, and TCP connections listed are maximums and may not be achieved in all environments

- $2. \quad \text{Requires 5 or greater 10G in-path interfaces and xbridge enabled} \\$
- 3. Hot swappable disks

- 4. Optional Network Bypass cards: Dual and Quad LX and SX GigE Fiber GigE, Quad Copper GigE, Dual 10GbE SR/LR
- 5. Internal hard disks

Riverbed® SteelHead™

Power and Physical Specifications

SteelHead Interceptor, SteelCentral Controller for SteelHead or SCC (formerly Central Management Console or CMC), SteelCentral Controller for SteelHead Mobile or SCCM (formerly SteelHead Mobile Controller or SMC)

	Data Center	Management	
Model	INT9600	SCC1000	SMC9000
Dual Power Supplies	✓	-	
Power (Watts) Typical	227	50	
BTU	774	165	
Temperature ²	10-35°C / 50-95°F (Operating) -40-70°C / -40-158°F (Storage)	0-45°C / 32-113°F (Operating) -40-65°C / -40-149°F (Storage)	
Relative Humidity ¹	50%-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25 to 35°C) ⁴	20%-80%, non-condensing (Operating) 5%-90%, non-condensing (Storage)	
Operating Acoustic Noise	7.0 BA (Operating condition in typical office ambient temperature: 23 +/- 2°C)	45	dBA
System Dimensions (LxWxH) ³	27.87" x 17.24" x 3.45" 707.8 x 438 x 87.6mm		3.0" x 73" 4 x 44mm
Packaging Dimensions	36" x 24" x 14" 914.4 x 609.6 x 355.6mm		2.2" x 7" x 180mm
Max Weight (without packaging)	40 lbs 18.14 kg		bs kg
Rail Information	Mounting Rail Kit Included Orderable Spare Part Numbers: RMK-1- VRAIL, RMK-1-PRAIL	Included Spare Part RMK-010 Orderable RMK-016	

^{1.} Operating altitude up to 10,000 feet except in China 6,562 feet (2,000m)

NOTE: 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

^{2.} In China - for use in non-tropical locations

^{3.} Length is without bezel

 $^{4. \}quad \text{Shipping Humidity Spec for CXA-xxx70/INT9600 models} \\$

System Requirements

SteelHead Mobile

Model	Version 4.8	Version 5.0/higher
Operating System	Windows 7 (32 and 64 bit), Windows 8 (32 and 64 bit), Windows 8.1 (64 bit), Windows 10 (32 and 64 bit), macOS 10.8, 10.9, 10.10	Windows 7 (32 and 64 bit), Windows 8 (32 and 64 bit), Windows 8.1 (64 bit), Windows 10 (32 and 64 bit), macOS 10.8, 10.9, 10.10, 10.11 and 10.12
CPU	1 GHz or higher	1 GHz or higher
Memory	2 GB or higher	2 GB or higher
Data Store	256 MB free disk space (min. required)	256 MB free disk space (min. required)
VSP CPU & Memory Requirements	Minimum 1 CPU (1 GHz or higher) & 3 GB or higher	Minimum 1 CPU (1 GHz or higher) & 3 GB or higher
SteelHead Appliance ¹	Minimum 1 Physical (CX), Virtual (VCX) or Cloud SteelHead (CCX) needed on Server Side	Minimum 1 Physical (CX), Virtual (VCX) or Cloud SteelHead (CCX) needed on Server Side
SteelCentral Controller for Mobile SteelHead – SCCM (Formerly SMC)	Required: Either SteelHead Mobile Controller Appliance or SteelHead Mobile Controller Virtual Edition	Required: Either SteelHead Mobile Controller Appliance or SteelHead Mobile Controller Virtual Edition

Riverbed® SteelHead™

Software Specifications

SteelHead Mobile

Model	SteelHead Mobile	
Concurrent Clients Supported per SCCM	20,000 (SMC9000) / 4,000 (SMC-Virtual Edition) ⁴	
Concurrent Clients Supported with SCCM Cluster ²	(Number of SMC9000s x 20,000) or (Number of SMC8650s/SMC-Virtual) x 4,000)	
VPN Compatibility ³	Cisco, Juniper, OpenVPN, Microsoft, Citrix, Array, Checkpoint, F5, Dell Sonicwall Aventail, Fortinet, NetMotion Mobile VPN, Apple VN, Palo Alto Global Protect (version 4.7 onwards)	

- 1. At least one SteelHead appliance is required. Recommend running RiOS version 8.6 or higher on it
- 2. SCCMs (SMCs) can operate in clustered mode to support additional SteelHead Mobile clients. A cluster can have a mix of SMC8650 and SMC9000 models but is not recommended. Up to 100,000 concurrent clients can be supported by minimum of 5 SMC9000s and up to 20,000 concurrent clients can be supported by a cluster of 5 SMC 8650s
- 3. VPN compatibility may be impacted by vendor software version, client configuration, and other factors
- 4. Up to 100 clients for Riverbed RSP/VSP platforms; Up to 4000 clients for VMWare ESX and Microsoft Hyper-V platforms. Please refer to the SteelHead Mobile Installation Guide for details on VM resource requirements.

NOTE: SMC9000 is supported on SHM 4.5.1 and later versions only

About Riverbed

Riverbed Technology, Inc. enables organizations to modernize their networks and applications with industry-leading SD-WAN, application acceleration, and visibility solutions. Riverbed's platform allows enterprises to transform application and cloud performance into a competitive advantage by maximizing employee productivity and leveraging IT to create new forms of operational agility. At more than \$1 billion in annual revenue, Riverbed's 28,000+ customers include 97% of the *Fortune* 100 and 98% of the *Forbes* Global 100. Learn more at riverbed.com.

