

# SteelHead Product Family

## Riverbed® SteelHead™

### Model Specifications

#### SteelHead CX

	Branch Office SteelHead				Mid-Size Office SteelHead					
Model	CX255 Series				CX570 Series			CX770 Series		
Configurations	U	L	M	H	L	M	H	L	M	H
Profile	Desktop									
Upgradeable to	255L/M/H	255M/H	255H	-	570M/H	570H	-	770M/H	770H	-
Optimized TCP Connections and UDP Flows	50	75	150	230	275	450	700	1,000	1,500	2,500
Optimized SSL/TLS Connections										
Optimized WAN Capacity <sup>1</sup>	2 Mbps	6 Mbps			10 Mbps	10 Mbps		20 Mbps		30 Mbps
Network Services – WAN Capacity	10 Mbps	30 Mbps			50 Mbps			100 Mbps		150 Mbps
Network Services – Flows <sup>3</sup>	8,000				8,000			16,000		
Network Services – Rules/Classes	300				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
Storage Fault Tolerance	-				-			-		
Hot Swappable Drives	-				-			-		
RAM	2 GB				2 GB			4 GB		
Expansion Slots (PCI-e)	-				-			-		
Included Bypass Ports (Copper)	2				4			4		
Max. # of Bypass Ports	2				4			4		

# Riverbed® SteelHead™

## Model Specifications

### SteelHead CX

	Large Office or Data Center SteelHead							
Model	CX3070 Series			CX5070 Series		CX7070 Series		
Configuration	L	M	H	M	H	L	M	H
Profile	1U			2U				
Upgradeable to	3070M/H	3070H	-	5070H	-	7070M/H <sup>2</sup>	7070H <sup>2</sup>	-
Optimized TCP Connections and UDP Flows	3,000	6,000	9,000	16,000	30,000	80,000	110,000	180,000
Optimized SSL/TLS Connections								
Optimized WAN Capacity <sup>1</sup>	50 Mbps	100 Mbps		200 Mbps	400 Mbps	622 Mbps	1 Gbps	2 Gbps
Network Services – WAN Capacity	250 Mbps	500 Mbps		Unrestricted				
Network Services – Flows <sup>3</sup>		48,000		96,000		192,000	256,000	512,000
Network Services – Rules/Classes		2,000		4,000				
Data Store Capacity		320 GB SSD		960 GB SSD		1.8 TB SSD	2.4 TB SSD	4.8 TB SSD
Web Proxy Cache Capacity		200 GB		300 GB		400 GB		
Storage Fault Tolerance		RAID <sup>4</sup>		RAID <sup>4</sup>				
Hot Swappable Drives		4		8		8	10	18
RAM		12 GB		24 GB		48 GB	64 GB	128 GB
Expansion Slots (PCI-e) <sup>5</sup>		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
- Requires exchange of appliance device (UPC-CXA-07070)
- Inclusive of all optimized and/or managed flows

- RAID1 configuration for HDD. Datastore uses fault tolerant striped (FTS) configuration for SSD
- Restrictions apply in combination of card types. Please see technical documentation for details

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 Office SteelHead		Large Office or Data Center SteelHead		
Model	CX255 Series	CX570 Series	CX770 Series	CX3070 Series	CX5070 Series	CX7070 Series
Dual Power Supplies	-	-		✓	✓	
Power [Watts] (Typical)	30	45	50	123	233	416
BTU	102	145	165	418	794	1,419
Temperature <sup>1</sup>	0-45°C / 32-113°F (Operating) -40-65°C / -40-149°F (Storage)			10-35°C / 50-95°F (Operating) -40-70°C / -40-158°F (Storage)		
Relative Humidity <sup>2</sup>	20%-80%, non-condensing (Operating) 5%-95%, non-condensing (Storage)			20%-80%, non-condensing (Operating) <sup>4</sup> 50%-80%, non-condensing (Storage) <sup>5</sup>		
Operating Acoustic Noise (Typical)	45 dBA			7.0 BA (Operating Condition in Typical Office Ambient Temperature: 23 +/- 2°C)		
System Dimensions (LxWxH) <sup>3</sup>	13.0 x 8.0 x 1.73 in 330 x 204 x 44 mm			25.21 x 17.24 x 1.7 in 640.43 x 438 x 43.2 mm	27.87 x 17.24 x 3.45 in 707.8 x 438 x 87.6 mm	

## SteelHead CX

	Branch Office SteelHead	Mid-Size Office SteelHead		Large Office or Data Center SteelHead		
Model	CX255 Series	CX570 Series	CX770 Series	CX3070 Series	CX5070 Series	CX7070 Series
Packaging Dimensions	17.7 x 12.2 x 7 in 450 x 310 x 180 mm			36 x 24 x 13 in 914.4 x 609.6 x 330.2 mm	36 x 24 x 14 in 914.4 x 609.6 x 355.6 mm	
Weight (Without Packaging)	5.5 lbs 2.4 kg	6 lbs 2.7 kg		27 lbs 12.25 kg	41 lbs 18.59 kg	42 lbs 19.05 kg
Rail Information	Included spare part RMK-010, Orderable RMK-016			Mounting Rail Included Orderable Spare Part Numbers: RMK-1-VRAIL, RMK-1-PRAIL		

1. In China – for use in non-tropical locations
2. Operating altitude up to 10,000 feet except in China 6,562 feet (2,000m)
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 CX

	Large Office or Data Center SteelHead				
Model	CX5080 Series		CX7080 Series		
Hardware Configuration / License	CXA-05080-B010 / L25	CXA-05080-B010 / L26	CXA-07080-B010 / L30	CXA-07080-B020 / L31	CXA-07080-B030 / L32
Profile	2U	2U	2U	2U	2U
Upgradeable to	L26	-	-B020 / L31 or -B030 / L32 <sup>2</sup>	-B030 / L32 <sup>2</sup>	-
Optimized TCP Connections and UDP Flows	20,000	60,000	100,000	150,000	220,000
Optimized SSL/TLS Connections	20,000	60,000	100,000	150,000	220,000
Optimized WAN Capacity <sup>1</sup>	300 Mbps	622 Mbps	1,000 Mbps	2,000 Mbps	3,000 Mbps
Network Services – WAN Capacity	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted
Network Services – Flows <sup>3</sup>	160,000	160,000	320,000	480,000	800,000
Network Services – Rules/Classes	6,000	6,000	6,000	6,000	6,000
Data Store Capacity	1.4 TB	1.4 TB	2.8 TB	3.8 TB	7.6 TB
Web Proxy Cache Capacity	300 GB	300 GB	500 GB	500 GB	500 GB
Storage Fault Tolerance	RAID <sup>4</sup>	RAID <sup>4</sup>	RAID <sup>4</sup>	RAID <sup>4</sup>	RAID <sup>4</sup>
Hot Swappable Drives	6 SSDs + 2 HDDs	6 SSDs + 2 HDDs	6 SSDs + 2 HDDs	8 SSDs + 2 HDDs	8 SSDs + 2 HDDs
RAM	32 GB	32 GB	64 GB	96 GB	192 GB
Total # of Expansion Slots (PCI-e)	Up to 4 FHFL + 2 FHHL <sup>5</sup>	Up to 4 FHFL + 2 FHHL <sup>5</sup>	Up to 4 FHFL + 1 FHHL + 1 HHHL <sup>5</sup>	Up to 4 FHFL + 1 FHHL + 1 HHHL <sup>5</sup>	Up to 4 FHFL + 1 FHHL + 1 HHHL <sup>5</sup>
Included # of Bypass Ports (10/100/1000 Copper)	4	4	4	4	4
Max. # of Bypass Ports 40 GbE / 10 GbE / 1 GbE	4x40 GbE / 16x10 GbE / 24x1 GbE <sup>5</sup>	4x40 GbE / 16x10 GbE / 24x1 GbE <sup>5</sup>	4x40 GbE / 16x10 GbE / 24x1 GbE <sup>5</sup>	4x40 GbE / 16x10 GbE / 24x1 GbE <sup>5</sup>	4x40 GbE / 16x10 GbE / 24x1 GbE <sup>5</sup>
SteelHead SD Capable	No	No	No	No	No

1. Optimized WAN capacity limit is enforced on outbound optimized traffic. Inbound optimized WAN traffic is not capped
2. Requires exchange of appliance device (UPC-CXA-07080)
3. Inclusive of all optimized and/or managed flows

4. RAID1 configuration for HDD. Datastore uses fault tolerant striped (FTS) configuration for SSD
5. Restrictions apply in combination of card types. Please see technical documentation for details

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

#### Large Office or Data Center SteelHead

Model	CX5080 Series		CX7080 Series		
Hardware Configuration / License	CXA-05080-B010 / L25	CXA-05080-B010 / L26	CXA-07080-B010 / L30	CXA-07080-B020 / L31	CXA-07080-B030 / L32
Dual Power Supplies	✓	✓	✓	✓	✓
Power [Watts] (Typical)	With 120VAC: 298W With 230VAC: 290W	With 120VAC: 298W With 230VAC: 290W	With 120VAC: 374W With 230VAC: 364W	With 120VAC: 374W With 230VAC: 364W	With 120VAC: 478W With 230VAC: 459W
BTU	With 120VAC: 1015 With 230VAC: 991	With 120VAC: 1015 With 230VAC: 991	With 120VAC: 1275 With 230VAC: 1240	With 120VAC: 1275 With 230VAC: 1240	With 120VAC: 1632 With 230VAC: 1566
Temperature <sup>1</sup>	0-40°C / 32-104°F (Operating) <sup>4</sup> -40-60°C / -40-140°F (Storage) <sup>5</sup>	0-40°C / 32-104°F (Operating) <sup>4</sup> -40-60°C / -40-140°F (Storage) <sup>5</sup>	0-40°C / 32-104°F (Operating) <sup>4</sup> -40-60°C / -40-140°F (Storage) <sup>5</sup>	0-40°C / 32-104°F (Operating) <sup>4</sup> -40-60°C / -40-140°F (Storage) <sup>5</sup>	0-40°C / 32-104°F (Operating) <sup>4</sup> -40-60°C / -40-140°F (Storage) <sup>5</sup>
Relative Humidity <sup>2</sup>	40-90%, non-condensing at 40°C	40-90%, non-condensing at 40°C	40-90%, non-condensing at 40°C	40-90%, non-condensing at 40°C	40-90%, non-condensing at 40°C
Operating Acoustic Noise (Typical)	<60 dB	<60 dB	<60 dB	<60 dB	<60 dB
System Dimensions (LxWxH)	27.56 x 17.32 x 3.43 in 700 x 440 x 87 mm	27.56 x 17.32 x 3.43 in 700 x 440 x 87 mm	27.56 x 17.32 x 3.43 in 700 x 440 x 87 mm	27.56 x 17.32 x 3.43 in 700 x 440 x 87 mm	27.56 x 17.32 x 3.43 in 700 x 440 x 87 mm
Packaging Dimensions <sup>3</sup>	36 x 24 x 12 in 914.4 x 609.6 x 304.8 mm	36 x 24 x 12 in 914.4 x 609.6 x 304.8 mm	36 x 24 x 12 in 914.4 x 609.6 x 304.8 mm	36 x 24 x 12 in 914.4 x 609.6 x 304.8 mm	36 x 24 x 12 in 914.4 x 609.6 x 304.8 mm
Max Weight (Without Packaging, without PCIe cards)	51 lbs 23 kg	51 lbs 23 kg	51 lbs 23 kg	51 lbs 23 kg	51 lbs 23 kg
Rail Information	Mounting Rail Kit Included. Orderable Spare Part Number: RMK-4-2U	Mounting Rail Kit Included. Orderable Spare Part Number: RMK-4-2U	Mounting Rail Kit Included. Orderable Spare Part Number: RMK-4-2U	Mounting Rail Kit Included. Orderable Spare Part Number: RMK-4-2U	Mounting Rail Kit Included. Orderable Spare Part Number: RMK-4-2U

1. In China – for use in non-tropical locations
2. Operating altitude up to 10,000 feet except in China 6,562 feet (2,000m)
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)

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# Riverbed® SteelHead™

## Model Specifications

### SteelHead GX

	Large Office / Data Center SteelHead
Model	GX 10000
Profile	2U
Optimized TCP Connections and UDP Flows	270,000
Optimized SSL/TLS Connections	270,000
Optimized WAN Capacity <sup>1</sup>	10 Gbps
Network Services – WAN Capacity <sup>2</sup>	10 Gbps
Network Services – Flows <sup>3</sup>	768,000
Network Services – Rules/Classes <sup>4</sup>	4,000
Data Store Capacity	9.6 TB SSD
Web Proxy Cache Capacity	400 GB
Storage Fault Tolerance	RAID <sup>5</sup>
Hot Swappable Drives	12
RAM	256 GB
Expansion Slots (PCI-e)	4
Max. # Bypass Ports	10 GbE: 8 (4 Dual or 2 Quad port) <sup>6</sup> 40 GbE: 4 (2 Quad port) <sup>6</sup>
SteelHead SD Capable	No

1. Optimized WAN capacity limit is enforced on outbound optimized traffic. Inbound optimized WAN traffic is not capped. Total system measured system capacity is 25 Gbps (this is the total 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 for SSD
6. Total of 4 Dual port 10 GbE Bypass NICs or 2 Quad port 10 GbE Bypass NICs or 2 Dual port 40 GbE Bypass NICs and combinations thereof

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 GX

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

1. In China – for use in non-tropical locations
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

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# Riverbed® SteelHead™

## Perpetual or 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	VCX-100	VCX-110
<b>Optimized WAN Capacity</b>	2 Mbps	5 Mbps	10 Mbps	20 Mbps	50 Mbps	100 Mbps	200 Mbps	500 Mbps	1,000 Mbps	2.5 Gbps	5 Gbps
<b>Optimized TCP and UDP Flows</b>	50	200	500	1,000	2,000	5,000	12,000	50,000	100,000	150,000	180,000
<b>Network Services</b>	10 Mbps	25 Mbps	50 Mbps	100 Mbps	250 Mbps	500 Mbps	Unrestricted				
<b>Disk Capacity Advised<sup>4</sup></b>	70	100	120	176	438	438	870	1,686	2,358	3,760	5,100
<b>Max Data Store Capacity</b>	50	80	100	150	400	400	800	1,600	2,240	3,600	4,800
<b>Management Disk</b>	20	20	20	26	38	38	70	86	118	160	300
<b>Maximum Web Proxy</b>	200 GB	200 GB	400 GB	400 GB	800 GB	800 GB	800 GB	800 GB	800 GB	800 GB	800 GB
<b>Virtual CPUs Required (min)</b>	1	1	2	4	4	4	6	12	24	32	44
<b>Reserved Memory Required</b>	2 GB	2 GB	2 GB	4 GB	8 GB	8 GB	24 GB	32 GB	48 GB	64 GB	128 GB

For ESXi, 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)  
For VCX-10 to VCX110: Available H/W NIC options are NIC-1-001G-4TX-BP and NIC-1-001G-4SX-BP on all hypervisors (KVM, Hyper-V and ESXi)  
Hyper-V is supported only for Models up to VCX 1555H (100 Mbps) on Windows Server 2012 and Hyper-V Server 2012 running RiOS 8.0.3 and later  
NOTE: Virtual SteelHead 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 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; RiOS 9.6.0a and later support ESXi 6.0. Please refer to the VMware system compatibility guide for servers supported with these VSphere/ESX/ESXi releases.

Riverbed network bypass 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 bypass cards NIC-1-001G-4TX-BP and NIC-1-001G-4SX-BP are supported by Virtual SteelHead guests running RiOS 9.7.0 or later  
Riverbed network bypass cards are supported only on ESXi 4.1 and up for all current RiOS releases  
Riverbed network bypass cards NIC-008-2SR is supported by Virtual SteelHead 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

# Riverbed® SteelHead™

## 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 <sup>1</sup>	10 Mbps	50 Mbps	200 Mbps	500 Mbps		1 Gbps	
Optimized TCP Connections <sup>2</sup>	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 <sup>3</sup>	M4.large		M4.2xlarge	M4.4xlarge		M4.10xlarge	

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

### 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 <sup>1</sup>	10 Mbps	50 Mbps	200 Mbps	N / A			
Optimized TCP Connections <sup>2</sup>	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 2.2 Ghz	N / A			
Reserved Memory Required	3 GB	8 GB	14 GB	N / A			

1. Optimized WAN capacity-inbound and outbound

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

# 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 <sup>1</sup>	10 Mbps	50 Mbps	200 Mbps	500 Mbps		1 Gbps	
Optimized TCP Connections <sup>2</sup>	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	A3	D3 v2	D14 v2		D15 v2	

1. Optimized WAN capacity-inbound and outbound

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

# Riverbed® SteelHead™

## Model Specifications

### SteelHead CX for Oracle Cloud Infrastructure (OCI)

Model	CCX PERF-TIER1	CCX PERF-TIER2	CCX PERF-TIER3
Optimized Wan Capacity <sup>1</sup>	10 Mbps	50 Mbps	200 Mbps
Optimized TCP Connections <sup>2</sup>	1,250	4,500	9,000
Total Storage	430 GB	430 GB	430 GB (SSD)
VM Shape	VM.Standard2.1	VM.Standard2.1	VM.Standard2.2
Number CPUs	1 OCPU	1 OCPU	2 OCPU
Memory	15 GB RAM	15 GB RAM	30 GB RAM
DataStore disk	430 GB	430 GB	430 GB (SSD)

1. Optimized WAN capacity-inbound and outbound

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

# Riverbed® SteelHead™

## 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	1U	
Effective LAN Throughput	40 Gbps <sup>1,2</sup>	-	
Storage Fault Tolerance	RAID	-	
Front Swappable Drives	2 <sup>3</sup>	2 <sup>5</sup>	
RAM	32 GB		16 GB
Expansion Slots (PCI-e)	6 <sup>4</sup>	-	
Included Bypass Ports (copper)	4	-	
Max. # of Bypass Ports	24	-	
Max. # of Manageable Appliances	-	2,000	-

- All LAN capacity, bandwidth, and TCP connections listed are maximums and may not be achieved in all environments
- Requires 5 or greater 10 G in-path interfaces and xbridge enabled
- Hot swappable disks

- Optional Network Bypass cards: Dual and Quad LX and SX GigE Fiber GigE, Quad Copper GigE, Dual 10 GbE SR/LR
- 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	✓	SCC 100-	
Power [Watts] (Typical)	227	50	
BTU	774	165	
Temperature <sup>2</sup>	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 <sup>1</sup>	50%-90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25 to 35°C) <sup>4</sup>	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) <sup>3</sup>	27.87 x 17.24 x 3.45 in 707.8 x 438 x 87.6 mm	13.0 x 8.0 x 1.73 in 330 x 204 x 44 mm	
Packaging Dimensions	36 x 24 x 14 in 914.4 x 609.6 x 355.6 mm	17.7 x 12.2 x 7 in 450 x 310 x 180 mm	
Max Weight (Without Packaging)	40 lbs 18.14 kg	6 lbs 2.7 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	

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

- Shipping Humidity Spec for CXA-xxx70/INT9600 models

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# Riverbed® SteelHead™

## System Requirements

### SteelHead Mobile

Model	Version 6.0/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 10.11, 10.12, and 10.13
CPU	1 GHz or higher
Memory	2 GB or higher
Data Store	256 MB free disk space (min. required)
VSP CPU & Memory Requirements	Minimum 1 CPU (1 GHz or higher) and 3 GB or higher
SteelHead Appliance <sup>1</sup>	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

# Riverbed® SteelHead™

## Software Specifications

### SteelHead Mobile

Model	SteelHead Mobile
Concurrent Clients Supported per SCCM	20,000 (SMC9000) / 4,000 (SMC-Virtual Edition) <sup>4</sup>
Concurrent Clients Supported with SCCM Cluster <sup>2</sup>	(Number of SMC9000s x 20,000) or (Number of SMC8650s/SMC-Virtual) x 4,000 or (Number of SMC-Virtuals for Azure x 35,000)
VPN Compatibility <sup>3</sup>	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 4000 clients for VMWare ESX and Microsoft Hyper-V platforms. Up to 35,000 clients for Microsoft Azure platforms. Please refer to the SteelHead Mobile Installation Guide for details on VM resource requirements.

Please refer to the SD-WAN spec sheet for the [SteelHead SD specifications](#).

## About Riverbed

Riverbed®, The Digital Performance Company™, is united in our purpose of *Advancing the Human Experience in the Digital World*. Behind every digital experience is a human one, and Riverbed enables organizations to measure digital experiences and maximize digital performance so they can deliver better and more powerful human experiences—for customers, employees, partners, patients, and citizens. Riverbed's Digital Performance Platform includes a combination of Digital Experience Management and Next-Generation Infrastructure solutions that ensure superior digital and user experiences, provides new levels of operational agility and accelerates business outcomes. Riverbed's 30,000+ customers include 100% of the *Forbes* Global 100. Learn more at [riverbed.com](http://riverbed.com).