

SPECIFICATION SHEET: Riverbed® Steelhead® Product Family

Model Specifications: Riverbed Steelhead xx50 Series Appliances

Steelhead Appliances are available in four different models to suit the needs of any office.

	Small Office			Mid-Size Office			Large Office or Data Center				Management			
Model	250 Series			550 Series		1050 Series			2050 Series		5050 Series		6050	CMC 8000/ SMC 8500
Configurations	L	M	H	M	H	L	M	H	M	H	M	H		
Profile	Desktop					1U			1U		3U		3U	1U
WAN Capacity ¹	1 Mbps	1 Mbps	1 Mbps	2 Mbps	2 Mbps	6 Mbps	6 Mbps	10 Mbps	20 Mbps	45 Mbps	90 Mbps	155 Mbps	310 Mbps	N/A
WAN Capacity (High-speed) ¹	1 Mbps	1 Mbps	1 Mbps	2 Mbps	2 Mbps	6 Mbps	6 Mbps	10 Mbps	20 Mbps	45 Mbps	1 Gbps	1 Gbps	1 Gbps	-
Optimized TCP Connections ²	30	125	200	300	600	800	1,300	2,300	4,000	6,000	9,000	18,000	50,000	-
Raw Capacity	120 GB	120 GB	120 GB	160 GB	160 GB	250 GB	250 GB	500 GB	1 TB	1 TB	2 TB	3 TB	8 TB	250 GB
Data Store Capacity	40 GB	40 GB	40 GB	80 GB	80 GB	100 GB	100 GB	200 GB	400 GB	400 GB	600 GB	800 GB	3.5 TB	N/A
RSP Partition	55 GB	55 GB	55 GB	55 GB	55 GB	100 GB	100 GB	200 GB	75 GB	75 GB	100 GB ³	150 GB ³	150 GB ³	-
Riverbed Services Platform (RSP)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
RAID	-					-			✓	✓	✓	✓	✓	-
Front Swappable Disks	-					1	1	2	4**	4**	8**	12**	16**	-
RAM	1 GB			2 GB		2 GB		4 GB	6 GB		8 GB		24 GB	2 GB
Configurable Slots (PCI-e)*	-					1			1		4		-	
Onboard Bypass ports (Copper)	2					4			4		4		-	
Max # of Bypass Ports	2					8			8		20		-	

¹ Option Bypass cards- Dual/ Quad, Fiber/Copper GbE

** Hot swappable disks

+ No PFS support

Power & Physical Specifications

	Small Office			Mid-Size Office			Large Office or Data Center				Management				
Model	250 Series			550 Series		1050 Series			2050 Series		5050 Series		6050	CMC 8000/SMC8500	
Dual Power Supplies	-			-		(Optional)			✓		✓		✓	-	
Power [Watts] (Typical)	62.5			66.5		138		151	197		203		225	352	206
BTU	213			227		471		515	672		693		768	1201	646
Temperature	10 - 40 deg C / 50 - 95 deg F (Operating) -40 - 65 deg C / -40 - 149 deg F (Storage)													10 - 35 deg C / 50-95 deg F (Operating) -40-70 deg C / -40-158 deg F (Storage)	
Relative Humidity ⁴	20% - 80% non-condensing (Operating) 5% - 95% non-condensing (Storage)														
Operating Acoustic Noise	45 dBA Sound Pressure (Typical)					61 dBA Sound Pressure (Typical)					61 dBA Sound Pressure (Typical)				Same as models 520 - 2020
System Dimensions (LxWxH) ⁵	12 x 7.1 x 1.65 in 304.8 x 180.3 x 42 mm					25.4 x 17.2 x 1.71 in 645.4 x 436 x 43.5 mm					25.72 x 17.0 x 5.2 in 653.4 x 431.6 x 131.9 mm				1.69 x 17.6 x 21.5 in (4.27 x 44.7 x 54.62)
Packaging Dimensions	24.5 x 12 x 4 in 622 x 305 x 102 mm					33.6 x 22.9 x 8.6 in 854 x 582 x 219 mm					34.1 x 23.7 x 15.9 in 866 x 602 x 403 mm				13 x 25 x 35 in (33 x 64 x 89)
Max Weight (without packaging)	4.7 Lbs / 2.15 Kg					29 Lbs / 13.1 Kg		30 Lbs / 13.6Kg	35 Lbs / 15.9 Kg		59 Lbs / 26.7 Kg		64 Lbs / 29 Kg	71 Lbs / 32.2 Kg	26 lbs / 12 kg
Rail Information	Mounting ears included. Orderable spare part RMK-001					Mounting rail kit included. Orderable spare part RMK-002					Mounting rail kit included. Orderable spare part RMK-003				Universal (2 and 4 post)

¹Inbound (WAN to LAN) Steelhead capacity is unrestricted; outbound WAN capacity can be expected up to the amount listed

On the 5050, 6050 total WAN capacity equals inbound traffic + outbound traffic

²TCP Connections can be expected up to the amount listed

³Any Steelhead model can be clustered

⁴Operating altitude up to 10,000 feet

⁵Depth is without bezel

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.

Please refer to the xx20 appliances spec sheet for specifications on the other models.

System Requirements: Steelhead Mobile

Steelhead Mobile 2.0 enables secure optimization and application performance over the WAN for the mobile workforce.

Operating System	Windows 2000 SP4, XP SP2 (32 bit versions only), Vista (32 bit versions only)
CPU	Celeron 650 MHz
Memory	256 MB
Disk Store	1 GB free disk space (min. required)
Steelhead Appliance ⁵	Required
Steelhead Mobile Controller (SMC)	Required

Software Specifications: Steelhead Mobile

Concurrent Clients Supported per SMC	2000
Concurrent Clients Supported with SMC Cluster ⁷	n x 2000
VPN Compatibility ⁸	Cisco, Nortel, Juniper, Microsoft, OpenVPN, AT&T Netclient, F5, CITRIX, Sonicwall, Checkpoint
Wireless PC Card Compatibility ⁹	Verizon, AT&T, Sprint

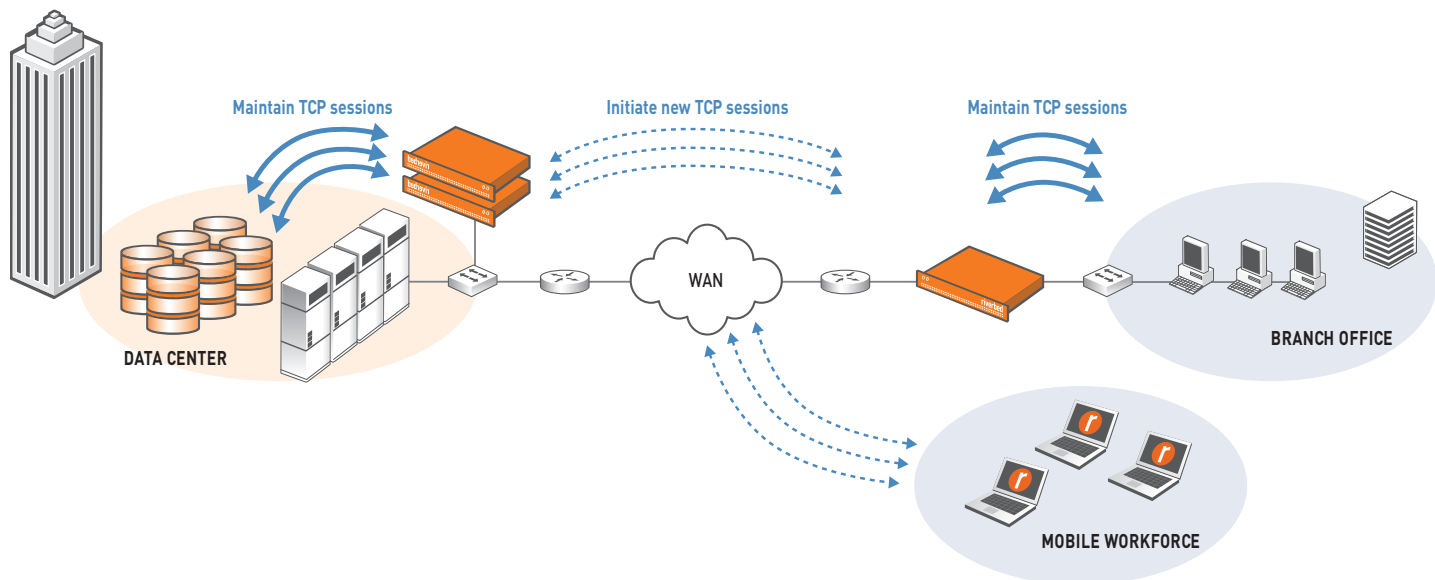
⁵At least one Steelhead appliance is required running RiOS version 4.x or higher

⁷SMCs can operate in clustered mode to support additional Steelhead Mobile clients.

⁸Partial listing. VPN compatibility may be impacted by vendor software version, client configuration, and other factors. Refer to detailed VPN specifications at www.riverbed.com/steelhead_mobile/vpn_specs/ for more information

⁹Partial listing. Wireless PC Card compatibility may be impacted dependent upon hardware and driver versions, bundled software, and other factors. Refer to detailed wireless specifications at www.riverbed.com/steelhead_mobile/wireless/ for more information

Typical Steelhead Deployment



About Riverbed

Riverbed Technology is the performance leader in WAN Optimization solutions for companies worldwide. By enabling application performance over the wide area network (WAN) that is orders of magnitude faster than what users experience ordinarily, Riverbed is changing the way people work, and enabling a distributed workforce that can collaborate as if they were local. Additional information about Riverbed (Nasdaq: RVBD) is available at www.riverbed.com.

Riverbed Technology, Inc.
199 Fremont Street
San Francisco, CA 94105
Tel: +1 415 247 8800
Fax: +1 415 247 8801
www.riverbed.com

Riverbed Technology Ltd.
1, The Courtyard, Eastern Road
Bracknell
Berkshire RG12 2XB
United Kingdom
Tel: +44 1344 354 910

Riverbed Technology Pte. Ltd.
391A Orchard Road #22-06/10
Ngee Ann City Tower A
Singapore 238873
Tel: +65 6508-7400

Riverbed Technology K.K.
Shiba-Koen Plaza Building 9F
3-6-9, Shiba, Minato-ku
Tokyo, Japan 105-0014
Tel: +81 3 5419 1990



2005, 2006, 2007, 2008



WAN Optimization - Riverbed RiOS 3.0



© 2008 Riverbed Technology. All rights reserved. Portions of Riverbed's products are protected under Riverbed patents, as well as patents pending. Riverbed Technology, Riverbed, RiOS, Steelhead, Interceptor, Atlas, Think Fast and the Riverbed logo are trademarks or registered trademarks of Riverbed Technology. SP-xx50121008