

# 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			
Model	250 Series			550 Series		1050 Series			2050 Series	
Configurations	L	M	H	M	H	L	M	H	M	H
Profile	Desktop					1U			1U	
WAN Capacity <sup>1</sup>	1 Mbps	1 Mbps	1 Mbps	2 Mbps	2 Mbps	6 Mbps	6 Mbps	10 Mbps	20 Mbps	45 Mbps
WAN Capacity (High-speed) <sup>1</sup>	1 Mbps	1 Mbps	1 Mbps	2 Mbps	2 Mbps	6 Mbps	6 Mbps	10 Mbps	20 Mbps	45 Mbps
Optimized TCP Connections <sup>2</sup>	30	125	200	300	600	800	1,300	2,300	4,000	6,000
Raw Capacity	120 GB	120 GB	120 GB	160 GB	160 GB	250 GB	250 GB	500 GB	1 TB	1 TB
Data Store Capacity	40 GB	40 GB	40 GB	80 GB	80 GB	100 GB	100 GB	200 GB	400 GB	400 GB
PFS Support	55 GB	55 GB	55 GB	55 GB	55 GB	100 GB	100 GB	200 GB	72 GB	72 GB
RSP Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RAID	-					-			✓	✓
Front Swappable Disks	-					1	1	2	4	4
RAM	1 GB			2 GB		2 GB		4 GB	6 GB	
Configurable Slots (PCI-e)*	-					1			1	
Onboard Bypass ports (Cu)	-					4			4	
Max # of Bypass Ports	-					8			8	

\*Option Bypass cards- Dual/ Quad, Fiber/Copper GbE

## Power & Physical Specifications

	Small Office			Mid-Size Office			Large Office or Data Center			
Model	250 Series			550 Series		1050 Series			2050 Series	
Configurations	L	M	H	M	H	L	M	H	M	H
Dual Power Supplies	-			-		(Optional)			✓	
Power [Watts] (Typical) <sup>3</sup>	62.5			66.5		138		151	197	
BTU	213			227		471		515	672	
Temperature	10 - 40 deg C / 50 - 95 deg F (Operating) -40 - 65 deg C / -40 - 149 deg F (Storage)					10 - 40 deg C / 50 - 95 deg F (Operating) -40 - 65 deg C / -40 - 149 deg F (Storage)				
Relative Humidity <sup>4</sup>	20% - 80% non-condensing (Operating) 5% - 95% non-condensing (Storage)									
Operating Acoustic Noise	45 dBA Sound Pressure (Typical)					74 dBA Sound Pressure (Typical)				
System Dimensions (DxWxH)	7.1 x 12 x 1.65 in 180.3 x 304.8 x 42 mm					25.4 x 17.2 x 1.71 in 645.4 x 436 x 43.5 mm				
Packaging Dimensions	12 x 24.5 x 4 in 305 x 622x 102 mm					33.6 x 22.9 x 8.6 854 x 582 x 219				
Max Weight (without packaging)	4lbs 12oz/2.15 Kg					31 lbs/14.1 Kg				
Rail Information	Mounting ears included. Orderable part RMK-001					Mounting rail kit included. Orderable part RMK-002				

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

<sup>2</sup>TCP Connections can be expected up to the amount listed

<sup>3</sup>Any Steelhead model can be clustered

<sup>4</sup>Operating altitude up to 10,000 feet

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 software optimizes 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 1.5 GHz
Memory	512 MB
Disk Store	1 GB free disk space (min. required)
Steelhead Appliance <sup>4</sup>	Required
Steelhead Mobile Controller (SMC)	Required

## Software Specifications: Steelhead Mobile

Concurrent Clients Supported per SMC	2000
Concurrent Clients Supported with SMC Cluster <sup>2</sup>	n x 2000
VPN Compatibility <sup>3</sup>	Cisco, Nortel, Juniper, Microsoft, OpenVPN
Wireless PC Card Compatibility <sup>3</sup>	Verizon, AT&T, Sprint

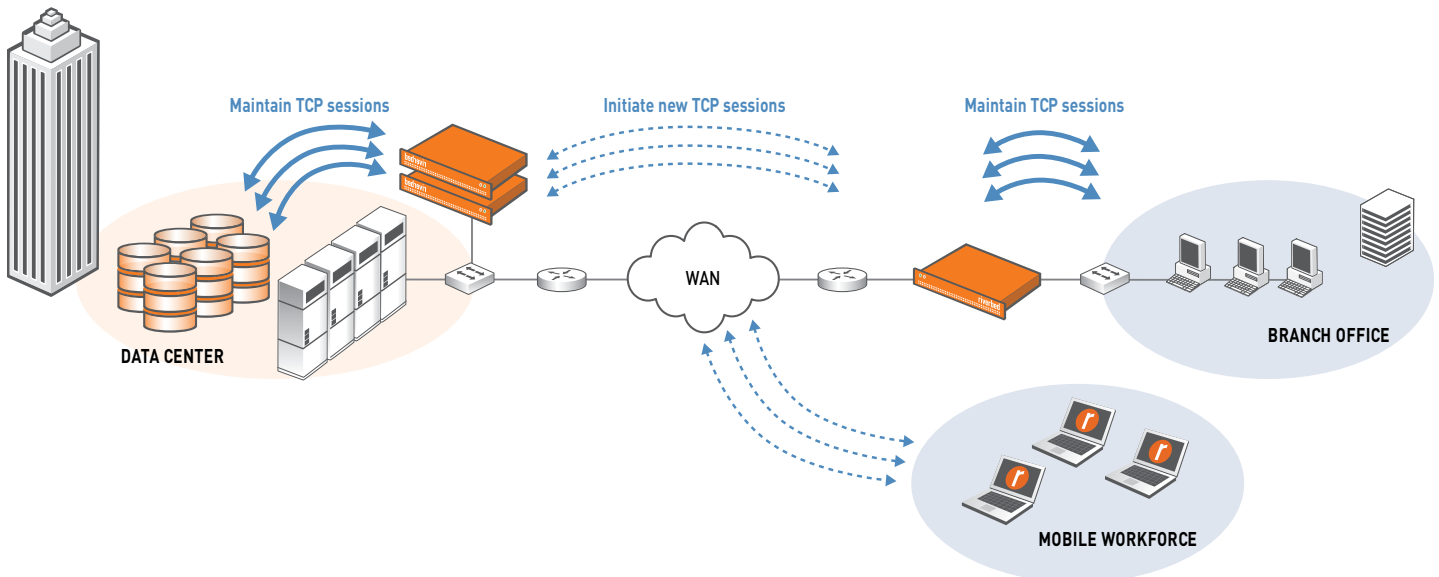
<sup>1</sup>At least one Steelhead appliance is required running RiOS version 4.x or higher

<sup>2</sup>SMCs can operate in clustered mode to support additional Steelhead Mobile clients

<sup>3</sup>Partial 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/](http://www.riverbed.com/steelhead_mobile/vpn_specs/) for more information

<sup>4</sup>Partial 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/](http://www.riverbed.com/steelhead_mobile/wireless/) for more information

## Typical Steelhead Deployment



## About Riverbed

Riverbed Technology is the performance leader in wide-area data services (WDS) 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](http://www.riverbed.com).

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WAN Optimization - Riverbed RiOS 3.0