SteelHead CX

Application acceleration for the digital enterprise

Today's Riverbed® SteelHead™ CX is engineered for fast, seamless network integration into remote sites and branch offices, or data centers with scalable performance designed to support a growing number of users, devices, data and application types.
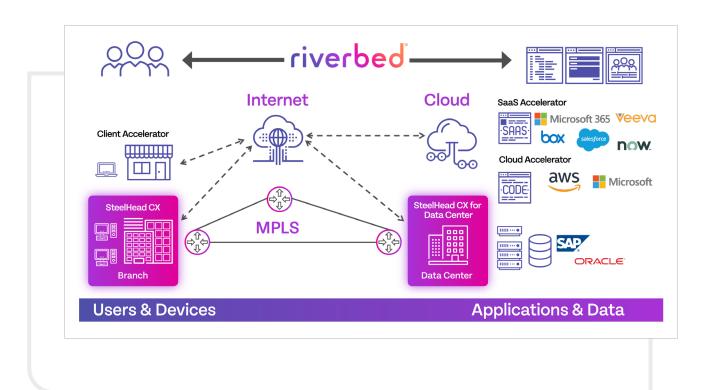
As the market leader in application acceleration, SteelHead CX has proven to dramatically speed up the performance of applications anywhere in the organization while delivering the best end-user experience even under sub optimal network conditions.

Riverbed makes it easy to assure fast, agile, secure delivery of any application to anyone, anywhere.

Business Challenge

The traditional enterprise has evolved into a hybrid one with people, apps, and data everywhere. More and more business-critical applications are moving to public clouds for SaaS and IaaS while others remain on-premises in datacenters. Additionally, organizations are leveraging combinations of hybrid networks (MPLS, Internet VPN, and public Internet) for real-time application delivery to location independent users.

IT is under continued pressure to deliver the highest level of performance in a complex and evolving hybrid network. However, unpredictable application behavior, reduced visibility, and limited control, can all decrease application performance. As a result, businesses and users often experience decreased productivity.

Key Benefits

Accelerated application performance and reduced bandwidth consumption

- Reduces bandwidth utilization by up to 95%, deferring costly network bandwidth upgrades

- Increases performance by up to 100x for on-premises applications

- Leverages application awareness to distinguish between business and non-critical network traffic to select optimal acceleration path

- Offers secure protocols optimization, with options to deploy in Microsoft recommended Tier0 model

- Enables rapid, resilient, and secure replication and backup over the WAN

- Available with virtual platforms such as VMware, Microsoft Hyper-V, Cisco CSP 5400, and KVM-based Nutanix AHV

- Acceleration of TLS/SSL-encrypted traffic to eliminate the security versus performance trade-offs

- Fully IPv6 ready – both single stack and dual stack

- Compatible with Cisco TrustSec, with support for SGT Inline Tagging

Integrated visibility

- SteelHead can send Riverbed® SteelFlow, enriched flow data to Riverbed® NetProfiler for analysis of:
  - Optimized network performance
  - WAN optimization reporting (i.e., bandwidth reduction)
  - SteelHead QoS configuration and usage

Enhanced control and management

- Performs ongoing centralized management through SteelCentral Controller for SteelHead, Web Interface, or from CLI

- Discovers and reports on applications in use across the organization

- Leverages simplified configuration with REST API for hybrid features—path selection, QoS, and secure transport—and custom API scripts for monitoring

- Secures optimized traffic between SteelHead solutions across private and Internet links with standards-based encryption

- SteelCentral Controller indicates configuration changes as compared to policy

Feature Specifications

SteelHead CX-580/CX-780/CX-3080

Small office appliances that leverages the full performance capabilities of the hardware. Offers a flexible feature set broken into 3 tiers (Essentials/Standard/Enterprise) depending on the customer requirements.

	Essentials	Standard	Enterprise
Description	Basic WAN Optimization	Full WAN Optimization with App Acceleration	Full Featured App Acceleration + Next Gen Features
Sample Features	• Full Deduplication • TCP Optimization / MXTCP • Hybrid Networking: QOS / Secure Transport / Path Selection	*Essentials +* • HTTPS Optimization • Most Protocol Blades (MAPI, SMB 2/3, CIFS) • WebProxy • SaaS Accelerator • Secure Protocols Optimization (TLS/SSL, encrypted/signed SMB)	*Standard +* • Data Center Protocol Blades (Replication, NFS) • SCPS / FIPS

SteelHead CX-5080/CX-7080

Fully featured appliances designed for large offices or datacenters that delivers best in class WAN optimization to accelerate the performance of enterprise applications. Licensing tiers determine the bandwidth and connection performance boundaries.

	Enterprise	
Model	**5080**	**7080**
Maximum Connections	20,000 / 60,000	100,000 / 150,000 / 220,000
Maximum Bandwidth	300 / 622 (Mbps)	1000 / 2000 / 3000 (Mbps)
Full Featured WAN Optimization (See specification sheet for details)		

riverbed®

Riverbed — Empower the Experience

Riverbed is the only company with the collective richness of telemetry from network to app to end user that illuminates and then accelerates every interaction so that users get the flawless digital experience they expect across the entire digital ecosystem. Riverbed offers two industry-leading solution areas – Alluvio by Riverbed, an innovative and differentiated Unified Observability portfolio that unifies data, insights, and actions across IT, so customers can deliver seamless digital experiences; and Riverbed Acceleration, providing fast, agile, secure acceleration of any app over any network to users, whether mobile, remote, or on-prem. Together with our thousands of partners, and market-leading customers across the world, we empower every click, every digital experience. Learn more at riverbed.com/unified-observability.