SteelConnect EX

Riverbed® SteelConnect™

Model Specifications

SteelConnect EX

	Small Branch	Mid-Size Branch				Large Branch
Model	EX385	EX485	EX685	EX580	EX780	EX3080
Profile	Desktop					Rack mount: 1U
Throughput[1]						
Routing	400 Mbps	2.5 Gbps	3.75 Gbps	3 Gbps	9 Gbps	10 Gbps
NGFW Direct to Internet (DIA)	250 Mbps	1.35 Gbps	2.8 Gbps	2.45 Gbps	6 Gbps	8.4 Gbps
SD-WAN DIA	250 Mbps	1.35 Gbps	2.8 Gbps	2.45 Gbps	6 Gbps	8.4 Gbps
SD-WAN Site-to-Site VPN	150 Mbps	800 Mbps	1.5 Gbps	1.8 Gbps	4 Gbps	5 Gbps
NGFW + AV with SD-WAN DIA	-	250 Mbps	400 Mbps	820 Mbps	1.9 Gbps	2.5 Gbps
NGFW + IPS with SD-WAN DIA	-	200 Mbps	250 Mbps	280 Mbps	700 Mbps	920 Mbps
NGFW + UTM with SD-WAN DIA	-	150 Mbps	200 Mbps	240 Mbps	610 Mbps	820 Mbps
Data Store Capacity	32 GB SSD	64 GB SSD	128 GB SSD	200 GB SSD	200 GB SSD	400 GB SSD
Storage Fault Tolerance	-	-	-	-	-	RAID
Hot Swappable Drives	-	-	-	-	-	2
RAM	4-16 GB	8-16 GB	16 GB	16 GB	16 GB	24 GB
CPU Cores	2	4	8	4	6	8
uCPE Capable[2]	No	No	Yes	No	Yes	Yes
WAN Optimization Capable	No	No	No	No	Yes	Yes
LTE Capable	Yes	Yes	Yes	No	No	No
Wi-Fi Capable	Yes	Yes	Yes	No	No	No
PoE Capable	No	No	Yes	No	No	No

1. The performance numbers are based on Riverbed recommended configurations and traffic conditions. The Routing and SD-WAN site-to-site performance is measured using IMIX packet size mix. The DIA and NGFW performance is measured with 1MB response for HTTP traffic.
2. Support for uCPE to run third party services such as WAN optimization, requires a minimum of 6 CPU Cores. Check documentation for supported VNFs.

Riverbed® SteelConnect™

Power and Physical Specifications

SteelConnect EX

	Small Branch	Mid-Size Branch	
Model	EX385	EX485	EX685
Expansion Slot (PCI-e)	N / A		
Included Ethernet Ports	4 Copper + 2 SFP + 1 NIC Module slot[1]		
Network Interface Card (NIC)	4 Copper GbE with 802.3at (PoE+)		
Wireless	2X Configurable slots (LTE-LTE or LTE-Wi-Fi) Up to 2X internal Cat-6 LTE modems Built-in GPS		
Wi-Fi	Dual band 802.11ac, 512 clients, 16 SSIDs		
BLE	1 (for zero touch provisioning)		
Management Console	1 RJ45 (RS 232)/GbE 2 USB 2.0		
Hardware Security	TPM 2.0		
Dual Power Supplies	N / A		
Power [Watts] (Typical – Input)	External AC PSU with additional PSU for PoE NIC (110 to 240V, 50 to 60 Hz)		
Power Over Ethernet (PoE)	Each port supports up to 30W for a max of 60W per NIC (Output)		
Temperature[2]	0 to 35 °C / 32 to 95°F (Operating) -20 to 70°C / -4 to 158°F (Storage)		
Relative Humidity[3]	10% to 85% (Operating and Storage)		
Operating Acoustic Noise (Typical)	0 dBm		
System Dimensions (LxWxH)[4]	8.75 x 13.25 x 1.75 in 222.2 x 336.5 x 44.5 mm		
Packaging Dimensions	16.875 x 12.25 x 7 in 428.6 x 311.1 x 177.8 mm		
Weight (Without Packaging)	5.84 lbs 2.65 kg		
Mounting Bracket	Ceiling and Rack mount		

Power and Physical Specifications

SteelConnect EX

	Mid-Size Branch		Large Branch
Model	EX580	EX780	EX3080
Expansion Slot (PCI-e)	N / A		1
Included Ethernet Ports	8 Copper + 2 SFP+	8 Copper + 2 SFP+	8 Copper + 4 SFP+
Dual Power Supplies	N / A		Yes
Power [Watts] (Typical)	37	60	70
BTU	128	205	242
Temperature[2]	0 to 45°C / 32 to 113°F (Operating) -40 to 65°C / -40 to 149°F (Storage)		10 to 35°C / 50 to 95°F (Operating) -40 to 65°C / -40 to 149°F (Storage)
Relative Humidity[3]	20% to 80% non-condensing (Operating) 10% to 95%, non-condensing (Storage)		20% to 80%, non-condensing (Operating)[5] 10% to 95%, non-condensing (Storage)[6]
Operating Acoustic Noise (Typical)	45 dBA		45 dBA
System Dimensions (LxWxH)[4]	12.25 x 13.75 x 1.73 in 311.15 x 349.25 x 44 mm		15.25 x 17.24 x 1.73 in 387.35 x 483 x 44 mm
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
Weight (Without Packaging)	6 lbs 2.7 kg		27 lbs 12.25 kg
Mounting Bracket	Included, Spare part RMK-4-DT		Included, Spare part RMK-4-3080

1. x85 models have fixed configuration. All NICs are factory installed
2. In China – for use in non-tropical locations
3. Operating altitude up to 10,000 feet except in China 6,562 feet (2,000 m)
4. Length is without bezel
5. Max dew point of 21°C / 69.8°F
6. Maximum wet bulb of 28°C / 82.4°F (at temperatures from 25 to 35°C / 77 to 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.

Virtual Machine Specifications for Virtual SteelConnect EX

Virtual Machine Minimum Requirements for Expected Performance

vCPU	2	4	6	8
Memory	4 GB	8 GB	8 GB	16 GB
Expected Performance (IMIX)*	100 Mbps	400 Mbps	800 Mbps	1 Gbps

*Listed performance figures are with SR-IOV configured for SteelConnect EX Virtual Machine.

IMIX Distribution

Frame Size	66	78	218	594	1,368	1,418
Percentage	45	8	8	2	16	21
Weight	45	8	8	2	16	21

LTE Module Specifications for x85 Models

The integrated LTE Module is capable of CAT 6 LTE Advanced connectivity. It provides downlink performance of up to 300 Mbps and uplink performance of up to 50 Mbps. With Carrier Aggregation, LTE Advanced delivers 2x the bandwidth of LTE. The appliances come equipped with 2 nano-SIM card slots, each SIM slot maps to a specific radio module.

The supported mobile network and frequency band coverage by each orderable modem is listed in the specifications table below. Choose the right modem type when ordering.

Brand	Description	Frequencies/MHz	Americas and EMEA Modem	APAC Modem
1	IMT Core Band	1920-1980, 2110-2170	WECMA, FDD LTE	WECMA, FDD LTE
2	PCS 1900	1850-1910, 1930-1990	WECMA, FDD LTE	
3	GSM 1800	1710-1785, 1805-1880	WECMA, FDD LTE	FDD LTE
4	AWS	1710-1755, 2110-2155	WECMA, FDD LTE	
5	850 (US, Korea etc.)	824-849, 869-894	WECMA, FDD LTE	WECMA, FDD LTE
6	850 (Japan #1)	830-840, 875-885		WECMA
7	IMT Extension	2500-2570, 2620-2690	FDD LTE	FDD LTE
8	GSM 900	880-915, 925-960	WECMA, FDD LTE	WECMA, FDD LTE
9	1700 (Japan #2)	1749.9-1784.9, 1844.9-1879.9		WECMA
11	Lower PDC	1427.9 – 1447.9, 1475.9 – 1495.9		FDD LTE
12	US 700	699-716, 729-746	FDD LTE	
13	US 700	777-787, 746-756	FDD LTE	
17	US 700	704-716, 734-746		
18	850 (Japan #4)	815-830, 860-875		FDD LTE
19	850 (Japan #5)	830-845, 875-890		WECMA, FDD LTE
20	800 Digital Dividend	832-862, 791-821	FDD LTE	
21	1500 (Japan #6)	1447.9-1462.9, 1495.9-1510.9		FDD LTE
25	Extended PCS	1850–1915, 1930–1995	FDD LTE	
26	Extended CLR	814–849, 859–894	FDD LTE	
28	APAC	703–748, 758–803		FDD LTE
29	Lower SMH Blocks	N / A, 716 – 728	FDD LTE	
30	WCS Blocks A/B	2305–2315, 2350–2360	FDD LTE	
38	IMT-E	2570–2620		TDD LTE
39	China TDD	1880–1920		TDD LTE
40	China TDD	2300–2400		TDD LTE
41	BRS / EBS	2496–2690	TDD LTE	TDD LTE
125	WCS Blocks C/D	2315-2318, 2347-2350		

	LTE for NA/EMEA (-LA)	LTE for APAC (-LB)
Cellular Bands	FDD/TDD LTE (Cat-6)	FDD/TDD LTE (Cat-6)
	1-5,7,8,12,13,20,25,26,29,30,41	1,3,5,7,8,18,19,21,28,38,39,40,41
	Carrier Aggregation	Carrier Aggregation
	1+8; 2+(2,5,12,13,29); 3+(7,20); 4+(4,5,12,13,29); 7+(7,20); 12+30;5+30;41+41	1+(8,18,19,21); 3+(5,7,19,28); 7+(5,7,28); 19+21, 38+38, 39+39, 40+40, 41+41
	DC-HSPA+ (42/5.76 Mbps)	DC-HSPA+ (42/5.76 Mbps)
	1,2,3,4,5,8	1,5,6,8,9,19 TD-SCDMA 39

Wi-Fi Specifications for x85 Models

The integrated WLAN access point (AP) can operate simultaneously at 2.4 GHz and 5 GHz and support the latest Wi-Fi 6 standards. This WLAN AP supports 802.11a/b/g/n/ac Wave 2 and 20/40/80 MHz wide channels.

TX Sensitivity

				Conductive TX Power (dBm)					Conductive TX EVM (db)
				2.4 GHz		5 GHz			
Protocol	Data Rate (Mbps)	Modulation	Coding Rate	20 MHz	40 MHz	20 MHz	40 MHz	80 MHz	
802.11b	1			17 +/ 2dB	N/ A	N / A			-10
	2			17 +/ 2dB					-10
	5.5			17 +/ 2dB					-10
	11			17 +/ 2dB					-10
802.11a/g	6	BPSK	1/2	17 +/ 2dB	N / A	18 +/ 2dB	N / A		-5
	9	BPSK	3/4	17 +/ 2dB		18 +/ 2dB			-8
	12	QPSK	1/2	17 +/ 2dB		18 +/ 2dB			-10
	18	QPSK	3/4	17 +/ 2dB		18 +/ 2dB			-13
	24	16-QAM	1/2	17 +/ 2dB		18 +/ 2dB			-16
	36	16-QAM	3/4	17 +/ 2dB		17 +/ 2dB			-19
	48	64-QAM	2/3	16 +/ 2dB		16 +/ 2dB			-22
	54	64-QAM	3/4	15 +/ 2dB		15 +/ 2dB			-25
802.11n/ac	MCS0	BPSK	1/2	17 +/ 2dB	17 +/ 2dB	18 +/ 2dB	18 +/ 2dB	18 +/ 2dB	-5
	MCS1	QPSK	1/2	17 +/ 2dB	17 +/ 2dB	18 +/ 2dB	18 +/ 2dB	18 +/ 2dB	-10
	MCS2	QPSK	3/4	17 +/ 2dB	17 +/ 2dB	18 +/ 2dB	18 +/ 2dB	18 +/ 2dB	-13
	MCS3	16-QAM	1/2	17 +/ 2dB	17 +/ 2dB	18 +/ 2dB	18 +/ 2dB	18 +/ 2dB	-16
	MCS4	16-QAM	3/4	17 +/ 2dB	17 +/ 2dB	17 +/ 2dB	17 +/ 2dB	17 +/ 2dB	-19
	MCS5	64-QAM	2/3	16 +/ 2dB	16 +/ 2dB	16 +/ 2dB	16 +/ 2dB	16 +/ 2dB	-22
	MCS6	64-QAM	3/4	15 +/ 2dB	15 +/ 2dB	15 +/ 2dB	15 +/ 2dB	15 +/ 2dB	-25
	MCS7	64-QAM	5/6	14 +/ 2dB	14 +/ 2dB	15 +/ 2dB	15 +/ 2dB	15 +/ 2dB	-27
	MCS8	256-QAM	3/4	N / A	N / A	14 +/ 2dB	14 +/ 2dB	14 +/ 2dB	-30
	MCS9	256-QAM	5/6	N / A	N / A	N / A	14 +/ 2dB	14 +/ 2dB	-32

RX Sensitivity

				Conductive		
				Minimum RX Sensitivity (dBm)		
Protocol	Data Rate (Mbps)	Modulation	Coding Rate	20 MHz	40 MHz	80 MHz
802.11b	1			-95	N/ A	
	2			-93		
	5.5			-92		
	11			-89		
802.11a/g	6	BPSK	1/2	-89	N / A	
	9	BPSK	3/4	-88		
	12	QPSK	1/2	-87		
	18	QPSK	3/4	-85		
	24	16-QAM	1/2	-82		
	36	16-QAM	3/4	-79		
	48	64-QAM	2/3	-74		
	54	64-QAM	3/4	-73		
802.11n/ac	MCS0	BPSK	1/2	-89	-86	-83
	MCS1	QPSK	1/2	-85	-82	-79
	MCS2	QPSK	3/4	-83	-80	-77
	MCS3	16-QAM	1/2	-79	-76	-73
	MCS4	16-QAM	3/4	-76	-73	-70
	MCS5	64-QAM	2/3	-72	-69	-66
	MCS6	64-QAM	3/4	-71	-68	-65
	MCS7	64-QAM	5/6	-70	-67	-64
	MCS8	256-QAM	3/4	-67	-64	-62
	MCS9	256-QAM	5/6	N /A	-61	-58

Radio Specifications

Features	Description
Number of Radios	2
Radio Capabilities	Radio 1: 2.4 GHz 802.11b/g/n (2x2:2 streams) 20/40 MHz (64 QAM) Radio 2: 5 GHz 802.11 a/n/ac (2x2:2 streams) 20/40/80 MHz (256 QAM)
Maximum Data Rate	Radio 1: Up to 300 Mbps Radio 2: Up to 867 Mbps
Supported Frequency Bands*	2.412–2.462 5.180–5240 5.260 –5.320 5.500–5.700 5.745– 5.825
Max TX Power	20 dBm for 2.4 GHz 21 dBm for 5 GHz
Per-Radio Client Support	256 client per Radio (Max 512 over both Radios)
Antenna	
Number of Antennas	2
Antenna Type/Peak Gain	External: Peak gain of 3.1 dBi at 2.4 GHz and 4.39 dBi at 5 GHz
802.11 Capabilities	
802.11	802.11a/b/n/ac wave2
EAP Types	EAP-TLS, EAP-TTLS/MSCHAPv2, EAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST
Authentication and Security	WPA and WPA2 with 802.11x (Enterprise) or pre-shared key (PSK), WEP, captive portal, MAC blacklist/whitelist, 802.11i, AES-CCMP, TKIP, WAPI
SSID Type	Local bridge
802.11 Features	
802.11ac MU-MIMO Wave 2	Yes; 2x2:2
Transmit Beam Forming (TxBF)	Yes
Low-Density Parity Check (LDPC) Encoding	Yes
Maximum Likelihood Demodulation (MLD)	Yes
Maximum Ratio Combining (MRC)	Yes
A-MPDU and A-MSDU Packet Aggregation	Yes
MIMO Power Save	Yes
Short Guard Interval	Yes
Certifications	
DFS	FCC, CE, CB (IEC), Japan

*Varies depending on the country specific restrictions.

Network and Security Functions

Features	Description	
DHCP IPv4 and IPv6	Client, Relay and Server	
Routing IPv4 and IPv6	Static routing, BFD, VRRP, VRF/Multi-VRF, RIP v1/2, OSPF, BGP, MP-BGP+ (MPLS and IPv6 extensions), ECMP, Route redistribution, BGP Route-aggregation	
Multicast	PIM SM, PIM SM with neighbor support on both LAN and WAN interfaces, PIM SSM, PIM SM Bootstrap RP, PIM Rendezvous-Point, IGMP v2/v3	
Policy Based Forwarding (L3-L7)	Match Conditions	Source Address, Source Zone, Source Region, Destination Address, Destination Zone, Destination region, Application of stream, Schedule, IP version, IP-Flags, DSCP, IEEE 802.1P, MOS support
	Actions	Permit, Drop, Set Nexthop
QoS	Whitelist/Blacklist on any L2-L4 field, Tenant level policing, Control plane protection, Traffic Classification and Profiles, DSCP/802.1P Marking, Rate-Limiting, Scheduling, Queuing, Shaping, HQoS: PIR and CIR	
CG-NAT	Static NAT, Dynamic NAT, NAPT, Destination NAT, Static NAT with Port Translation, Inter-Tenant NAT, ALG support: FTP, TFTP, PPTP, SIP, ICMP, IKE, Endpoint Independent Mapping (EIM), Endpoint Independent Filtering (EIF), Port Parity, Port Block Allocation (PBA), Random Port Allocation (RPA), Syslog and IPIX logging	
Stateful Firewall	Zone-based, Address Objects, Address Groups, Rules, Policies, DDoS (TCP/UDP/ICMP Flood), Syn-Cookies, Port Scans, Host Scans, ALG support: SIP, FTP, PPTP, TFTP, ICMP	
Application Visibility	Identify more than 3600+ applications and protocols, Application group support, Application filter support, Application visibility and log support, 150+ codecs	
Next-Generation Firewall	Policy Match Triggers: Applications, App filters, App Groups, URL Categories, Geo Location, Application Identity (AppID) based policy rules, Application Groups and Filters, Packet capture on AppID, IP Blacklisting, Whitelisting, Customer App-ID signatures, SSL Certificate-based protection, Expired certificates, Untrusted CAs, Unsupported cyphers and key lengths	
Anti-Virus	Network/flow based protection with auto-signature updates. HTTP, FTP, SMTP, POP3, IMAP, MAPI support, 35+ file types supported (exe, dll, office, pdf and flash file types), Decompression, Storage profile, Auto signature updates	
URL Categorization and Filtering	URL categories and reputation, including customer-defined, Cloud-based lookups, Policy trigger based on URL category, URL profile (blacklist, whitelist, category reputation), Captive portal response including customer defined, Actions include block, inform, ask, justify, and override	
NG-IPS	Default and customer defined signatures and profiles, Snort rule formats, L7 DDoS, Layer 7 Anomaly detection, Lateral movement detection and prevention, Support for JavaScript attacks, Security package with incremental updates	
SD-WAN	Secure, zero touch branch provisioning, Template-based policies with parameterization, Centralized route and policy enforcement, L7 Application SLA enforcement, SLAs with QoS, Intelligent path selection – default and user-defined, Dynamic bandwidth measurement of SD-WAN paths, Support Active/Active and load balancing of Transport, Overlay encapsulation: MPLS over VXLAN, IPsec over VXLAN, Redundant SD-WAN controller, Integration and support for 3rd party legacy appliances, Flexible topology support – Full-Mesh, Partial-Mesh, Hub-Spoke, Controller behind branch, branch-behind-branch, Spoke-hub-hub-spoke, Custom	
Advanced SD-WAN Features	Packet Striping for best throughput across bundle of low speed interfaces, Packet Cloning / De-cloning for replicating, important flows to ensure best performance and availability, Forward Error Correction to restore traffic in lossy and over-congested links, MOS Based Traffic Steering to measure VoIP flows quality and to steer VoIP flows to achieve best voice session qualities, Cloud Provider DIA Traffic Optimizations; Probe based, as well as Inline Traffic Measurements and more	
IPsec VPN	Site-to-site, route/policy-based VPN, IKEv1, IKEv2, DPD, PFS, ESP and ESP-HMAC support, Symmetric Cipher support (IKE/ESP): AES-128 and AES-256 modes: CBC, CNTR, XCBC, GCM, Pre-shared and PKI authentication with RSA certificates, Diffie-Hellman key exchange (Group 1,2,5), Per-tenant and VRF aware, MD5 and SHA1 based HMAC	
Load balancing	Virtual Server support, Load Balancing algorithms: RR, WRR, Src. IP, Dest. IP, IP Hash, Least connections, Layer 4 load balancing, monitoring, persistence (Src, Dst, Src-Dest, Mac), Deployment modes: Transparent, Routed and Direct Server Return	
SSL Inspection	HTTPS proxy (forward and reverse), SSL v3, TLS 1.2 proxy, Captive Portal for HTTPS requests	
DNS Proxy	DNS Split Proxy, Transparent Proxy	
User and Group Level Authentication	Support for Active Directory, LDAP, Radius, Kerberos, SAML, Captive Portal Form for LDAP	
Service Function Chaining (SFC)	Encapsulation and tagging types: VLAN, VXLAN, MPLS, MPLS over GRE, NSH, SFC	

SteelConnect EX Software Licensing

SteelConnect EX offers three tiers of software licenses to meet various networking requirements.

These software tiers build onto each other, starting from essential SD-WAN capabilities to advanced feature set. The tiers are:

Secure SD-WAN Essentials

This license tier can be considered for a branch router replacement and includes features such as:

- Basic or Advanced core routing functionality
- Includes Layer-4 Stateful Security features like DOS Protection and SFW
- IPv4 and IPv6 support and many other networking essentials
- SD-WAN Full mesh or Hub-and-Spoke; Secure dynamic and encrypted overlays
- Application detection and visibility
- Application QoS
- Branch security (URL and IP filtering, blocking web access, and more)

Secure SD-WAN Standard

This tier includes enhanced SD-WAN features. It includes:

- Advanced SD-WAN capabilities
- For customers who require superior voice service (FEC, cloning etc.)
- Provide User/User group-based traffic engineering and SLA policy

Secure SD-WAN Advanced *

This tier is designed to provide advanced next-generation security features, including:

- Next generation intrusion prevention system
- Anti-Virus
- SSL inspection

* Not available on SteelConnect EX-385

SteelConnect EX Software Licensing SKUs

The software license tiers are available at varying bandwidth levels, ranging from 10 Mbps to 10 Gbps.

Ordering Guide	
SDEX-00385-B010	SteelConnect EX-385 for small branch without any add-on options
SDEX-00385-B030	SteelConnect EX-385 for small branch with LTE and Wi-Fi AP for Americas and EMEA
SDEX-00385-B040	SteelConnect EX-385 for small branch with LTE and Wi-Fi AP for APAC
SDEX-00485-B010	SteelConnect EX-485 for medium branch without any add-on options
SDEX-00485-B030	SteelConnect EX-485 for small branch with LTE and Wi-Fi AP for Americas and EMEA
SDEX-00485-B040	SteelConnect EX-485 for small branch with LTE and Wi-Fi AP for APAC
SDEX-00685-B010	SteelConnect EX-685 for medium branch without any add-on options
SDEX-00685-B030	SteelConnect .EX-685 for medium branch with LTE and Wi-Fi AP for Americas and EMEA
SDEX-00685-B040	SteelConnect EX-685 for medium branch with LTE and Wi-Fi AP for APAC
SDEX-00580-B010	SteelConnect EX for medium size branch
SDEX-00780-B010	SteelConnect EX for medium size branch with optional Application Acceleration support
SDEX-03080-B010	SteelConnect EX for large branch or hub/aggregation site with optional Application Acceleration support
SEC-SDW-ESSENTIALS-xxx	Bandwidth based Secure SD-WAN Essentials license (where xxx represents the bandwidth level 10 Mbps to 10 Gbps)
SEC-SDW-STANDARD-xxx	Bandwidth based Secure SD-WAN Standard license (where xxx represents the bandwidth level 10 Mbps to 10 Gbps)
SEC-SDW-ADVANCED-xxx	Bandwidth based Secure SD-WAN Advanced license (where xxx represents the bandwidth level 10 Mbps to 10 Gbps)

About Riverbed

Riverbed enables organizations to maximize performance and visibility for networks and applications, so they can overcome complexity and fully capitalize on their digital and cloud investments. The Riverbed Network and Application Performance Platform enables organizations to visualize, optimize, remediate and accelerate the performance of any network for any application. The platform addresses performance and visibility holistically with best-in-class WAN optimization, network performance management (NPM), application acceleration (including Office 365, SaaS, client and cloud acceleration), and enterprise-grade SD-WAN. Riverbed's 30,000+ customers include 99% of the *Fortune* 100. Learn more at riverbed.com.

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