

STEELCONNECT

Riverbed® SteelConnect™ is a next-generation software-defined networking and SD-WAN solution designed to revolutionize and transform networking in a cloud-centric world. SteelConnect unifies network connectivity and enables orchestration of application delivery across hybrid WANs, remote LANs, and cloud networks. Solution components include:

- SteelConnect Manager
- SteelConnect Gateway
- SteelConnect Switches
- SteelConnect Access Points

SteelConnect Gateway Model Specifications – Physical Appliances

Model	SDI-130/SDI-130W	SDI-330	SDI-1030
Use Case	Small branch or retail	Medium branch	Large branch
Recommended # of users	5-50 users	25-250 users	200-2000 users
Performance	25 Mbps VPN 50 Mbps VPN 100 Mbps VPN	50 Mbps VPN 100 Mbps VPN 200 Mbps VPN	200 Mbps VPN 1 Gbps VPN
Interfaces	2x GbE WAN ports 8x GbE LAN ports 2x WLAN (2.4/5 GHz, 2x2 MIMO, only SDI-130W) 1x USB 2.0 port	2x GbE WAN ports 8x GbE LAN ports 1x USB 2.0 port OLED status display	8x 1GbE RJ45 ports (LAN or WAN) 4x 10GbE SFP+ ports 10GbE Copper, SR or LR SFP+ orderable separately 1x USB 2.0 port 1x RJ45 Serial Port OLED status display
AC/DC Power	12V/2A DC power adapter (included)	100-240V 50/60Hz AC (built-in)	Dual Power Supplies (redundant & hot-swappable) 100-240V 50/60Hz AC (built-in)
Power (Watts)	10.8 / 11.4	13.2	80.5
BTU	36.8 / 38.9	45.0	274.7
Physical Design	Industrial design Snapdisc mount Desktop/wall mountable	Industrial design 1U rackmount	1U rackmount
Operating Acoustic noise (Typical)	N/A (fanless)	N/A (fanless)	Light Load: 42dB Full Load: 61dB
Relative Humidity	10-90% non-condensing for both storage & operating conditions	10-90% non-condensing for both storage & operating conditions NA (fanless)	10-90% non-condensing for both storage & operating conditions
System Dimensions	32.0 x 23.5 x 4.5cm (12.6 x 9.3 x 1.8in)	44.1 x 21.9 x 4.4cm (17.4 x 8.6 x 1.7in)	44.1 x 36.5 x 4.5 cm (17.36 x 14.37 x 1.8 in)
System Weight	0.8 kg (1.76lb)	3 kg (6.61lb)	6.3 kg (13.76 lb)

Packaged Dimensions	52.4 x 26.8 x 7cm (20.63 x 10.55 x 2.75 in)	59.9 x 53.3 x 14cm (23.58 x 20.98 x 5.51 in)	66.6 x 53.3 x 14.0 cm (26.22 x 20.98 x 5.51 in)
Packaged Weight	1.9 kg (4.2 lb)	6.6 kg (14.6 lb)	10.7 kg (23.59 lb)
Temperature Range	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 45°C (32 to 113°F) Storage: -20 to 60°C (-4 to 140°F)

Model	SDI-5030
Use Case	Campus or Data Center
Recommended # of users	Not Applicable
Performance	5 Gbps VPN ^(a)
Cluster Configuration	Minimum of 3 nodes (2+1) N+K set up N= active nodes K= spare nodes
Interfaces	2x 10GbE (RJ45) ports 4x 1GbE (RJ45) ports via IOM Slot 3x USB 2.0 ports 1x VGA port 1x Serial Console port 1x PCIe Slot (optional NICs can be purchased separately)
AC/DC Power	Dual Power Supplies (redundant & hot-swappable) 100-240V 50/60Hz AC (built-in)
Power (Watts)	285.0
BTU	972.5
Physical Design	1U Rackmount
Operating Acoustic noise (Typical)	70 db
Relative Humidity	50%-90% non-condensing with maximum wet bulb of 28 C.
System Dimensions	71.1 x 43.7 x 4.3cm (28.0 x 17.3 x 1.7in)
System Weight	15 kg (33 lb)
Packaged Dimensions	89.2 x 60.9 x 24.5cm (35.1 x 24.0 x 9.25 in)
Packaged Weight	19 kg (42 lb)
Temperature Range	Operating: 0 to 35°C (32 to 95°F) Storage: -40 to 70°C (-40 to 158°F)

Note:

(a) 5 Gbps VPN when using two or more Interfaces

SteelConnect Gateway Model Specifications – Virtual

Model	SDI-VGW
Use Case	Virtual- and Cloud Environments
Recommended # of users	5-2500 users
Performance	<p>VGW-LIC-BW010: 100Mbps VPN Hardware requirements: 1 CPU core @ 2.1 GHz (Intel E5-2600v4) 1GB DRAM & 200MB storage</p> <p>VGW-LIC: 2.5 Gbps VPN Hardware requirements: 4 CPU cores @ 3.0 GHz or 6 CPU cores @ 2.1 GHz (Intel E5-2600v4) 8GB DRAM & 2GB storage</p> <p>Actual performance will vary depending on hypervisor/virtualization & hardware platform design</p>
Interfaces	3x 1GbE or 1x 10GbE WAN ports 8x LAN ports
Power	N/A
Physical Design	Compatible with VMware, KVM, Hyper-V, Citrix, Virtual Box, Amazon Web Services
Operating Acoustic noise (Typical)	N/A
Relative Humidity	N/A
System Dimensions	N/A
System Weight	N/A
Packaged Dimensions	N/A
Packaged Weight	N/A
Temperature Range	N/A

SteelConnect Switch Model Specifications

Model	SDI-S12 POE+	SDI-S24 POE+	SDI-S48 POE+
Use Case	Small branch or retail	Medium branch	Medium and large branch
Performance	30 Gbps switching capacity Non-blocking fabric Ultra-low latency	70 Gbps switching capacity Non-blocking fabric Ultra-low latency	130 Gbit/s switching capacity Non-blocking fabric Ultra-low latency
Interfaces	12x GbE PoE+ ports 4x GbE SFP ports	24x GbE PoE+ ports 4x 10GbE SFP+ ports OLED status display	48x GbE PoE+ ports 4x 10GbE SFP+ ports 2x QSFP ports (on the rear) [Stacking of no more than 3 S48 switches is recommended.] OLED status display
AC/DC Power	150W PoE Budget 180W Built-in power supply 100-240V 50/60Hz AC	270W PoE Budget 300W Built-in power supply 100-240V 50/60Hz AC	550W PoE Budget 2x 600W Built-in power supply (redundant & hot-swappable) 100-240V 50/60Hz AC
Power (Watts)	12.5	16.7	42.0
BTU	42.7	57.0	143.3
Physical Design	Industrial design Desktop/wall mountable 1U rackmount kit	Industrial design 1U rackmount kit	Industrial design 1U rackmount kit
Operating Acoustic noise (Typical)	N/A (fanless)	15.3dB (10% fan duty)	50db (50% fan duty)
Relative Humidity	10-90% non-condensing for both storage & operating conditions	10-90% non-condensing for both storage & operating conditions	10-90% non-condensing for both storage & operating conditions
System Dimensions	30.6 x 21.9 x 4.4 cm (12.0 x 8.6 x 1.7in)	44.1 x 30.5 x 4.4 cm (17.4 x 12.0 x 1.7in)	44.1 x 45.0 x 4.4 cm (17.4 x 15.9 x 1.7in)
System Weight	2 kg (4.41lb)	4.95 kg (10.91lb)	5.95 kg (13.11lb)
Packaged Dimensions	59.9 x 53.3 x 14 cm (23.58 x 20.98 x 5.51 in)	59.9 x 53.3 x 14 cm (23.58 x 20.98 x 5.51 in)	66.6 x 53.3 x 14 cm (26.22 x 20.98 x 5.51 in)
Packaged Weight	6.5 kg (14.4 lb)	8.4 kg (18.6 lb)	13.1 kg (28.9 lb)
Temperature Range	Operating: 0 to 45°C (32 to 113°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 45°C (32° to 113°F) Storage: -20 to 60°C (-4° to 140°F)	Operating: 0 to 45°C (32° to 113°F) Storage: -20 to 60°C (-4° to 140°F)

SteelConnect Access Point Model Specifications

Model	SDI-AP5	SDI-AP5r
Radio Specification	1x 802.11g/n radio on 2.4 GHz 1x 802.11a/N/Ac radio on 5 GHz 1750 Mbps max rate 3x3 MIMO with 3 spatial streams Internal 3D sectorized antenna array 3x 4dBi on 2.4 GHz 3x 5dBi on 5.0 GHz	1x 802.11g/n radio on 2.4 GHz 1x 802.11a/N/Ac radio on 5 GHz 1750 Mbps max rate 3x3 MIMO with 3 spatial streams Omni-directional antennas (N-Type) 3x 5dBi on 2.4 GHz 3x 7dBi on 5 GHz
Interface	1x GbE port	2x GbE ports
AC/DC Power	802.3at Power-over-Ethernet	802.3at Power-over-Ethernet
	12V/2A DC power adapter (optional)	24W PoE Injector (optional)
Power (Watts) with power adapter	15.0	NA
BTU with power adapter	51.2	NA
Power (Watts) PoE	19.0	36.0
BTU PoE	64.8	122.8
Physical Design	Industrial design Snapdisc mount Desktop/wall/ceiling mountable	Industrial design Wall, pole mountable IP68-rated waterproof housing
Operating Acoustic noise (Typical)	N/A (fanless)	N/A (fanless)
Relative Humidity	10-90% non-condensing for both storage & operating conditions	10-90% non-condensing for both storage & operating conditions
System Dimensions	18.9 x 21.0 x 4.5cm (7.44 x 8.26 x 1.77in)	28.5 x 21.8 x 5.3cm (11.22 x 8.58 x 2.10in)
System Weight	0.9 kg (2.0 lb)	4 kg (8.8 lb)
Packaged Dimensions	26.0 x 26.0 x 6.5 cm (10.24 x 10.24 x 2.56 in)	39.0 x 26.0 x 13.0 cm (15.35 x 10.24 x 5.12 in)
Packaged Weight	1.04 kg (2.3 lb)	4.2 kg (9.2 lb)
Temperature Range	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: -20 to 70°C (-4 to 158°F) Storage: -30 to 80°C (-22 to 176°F)