

Check Point Spark 2500 Series

SMBs and Branch Firewalls



WE SECURE YOUR AI TRANSFORMATION

AI-Powered Threat Prevention

Prevent malware, phishing, exploits, and AI-fueled attacks with the same AI-powered security trusted across the Check Point firewall portfolio.

Top Security Effectiveness

Check Point ranks #1 in blocking malware, phishing, and vulnerability exploits

Hyperscale Network Security

On-demand expansion, load balancing firewall clustering, and resilient access to mission-critical applications

Unified Management and Ops Efficiency

Increase protection and reduce TCO with a consolidated security architecture

See [Miercom Hybrid Mesh Network Security Competitive Assessment](#) and [NSS Labs Enterprise Firewalls Report](#)

Supercharge your network security with the Check Point Spark 2500 Firewall series of next generation firewalls designed for today's fast-paced SMBs and branches. Experience lightning-fast threat prevention with throughputs up to 5,500 Mbps, and stay connected with the latest Wi-Fi 7, 5G cellular, and 10GbE LAN ports.



Enterprise Grade
Security



Fastest Connectivity
with Wi-Fi 7 and
5G Cellular



Unified Security
Management

Spark 2500 Performance Highlights

Model	Next Gen Firewall	Threat Prevention
QS 2530	1,200 Mbps	750 Mbps
QS 2550	1,600 Mbps	1,000 Mbps
QS 2560	3,750 Mbps	1,850 Mbps
QS 2570	5,000 Mbps	2,500 Mbps
QS 2580	9,000 Mbps	3,200 Mbps
QS 2590	11,000 Mbps	5,500 Mbps

Advanced security and uncompromising performance, built for SMBs & branches

Check Point Spark 2500 Firewall series delivers enterprise-grade security for small and medium businesses and enterprise branches in a series of simple and affordable, all-in-one security solutions. Models with the latest Wi-Fi 7 and embedded 5G modem provide fast and resilient connectivity.

Comprehensive Industry-Leading Security

- Next Generation Firewall
- Site-to-Site and Remote Access VPN
- Application and Web Filtering
- Intrusion Prevention
- Antivirus and Anti-Bot
- Advanced DNS Security
- Sandboxing
- Zero-phishing (no agent required)

Check Point ranks #1 in third party security effectiveness benchmarks, including Miercom and NSS¹.

Spark 2500 Management

Managed Service Providers use Spark 2500 Management to provision up to thousands of firewall efficiently, reducing operational overhead. Interactive dashboards provide quick identification of security, connectivity and licensing issues across all customers. With proactive management alerts, MSP administrators can be notified of issues over SMS, email, MS Teams and more, enabling faster resolution. Spark 2500 Management is included with the appliance at no extra cost. Spark 2500 series can be managed by Spark 2500 Management, Web UI, Smart-1Cloud and Management Server.

5G cellular connectivity

Get the latest 5G cellular standard, offering the highest throughputs, which can be used as a primary WAN connection (Fixed Wireless Access) or as a backup link. Supports Dual SIM Single Standby (DSSS) and backward compatibility to 4G/LTE networks.

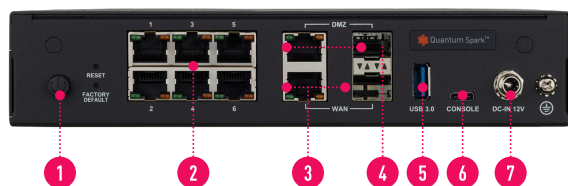
Latest Wi-Fi 7

Spark 2500 series support the latest Wi-Fi 7 standard with up to 30% added throughput over previous Wi-Fi 6 models as well as improved client density and reduced latency.

Highest Performance Threat Prevention

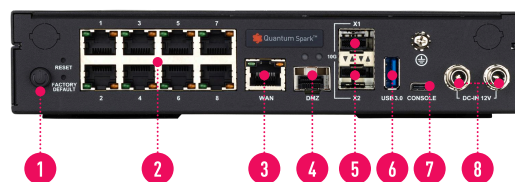
Thanks to R82 security and management technology, with Spark 2500 Series, you can inspect encrypted traffic and prevent even the most evasive AI-fueled attacks without impacting internal network performance. Spark 2500 lets you achieve 5.5 Gbps of threat prevention throughput

Spark 2530/2550



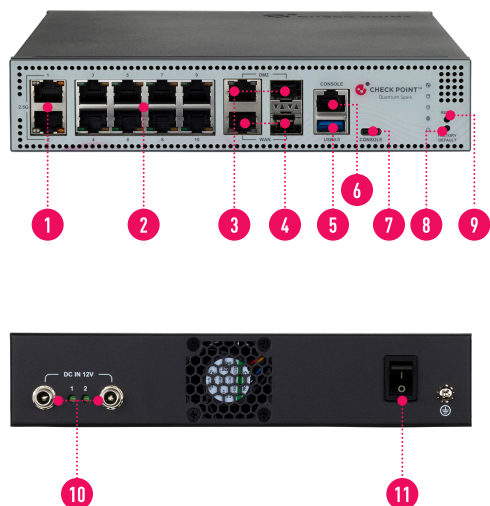
1. Power Switch
2. 6x RJ45 1GbE LAN ports
3. 1GbE RJ45/SFP WAN port
4. 1GbE RJ45/SFP DMZ port
5. USB 3.0 Type-A port
6. USB Type-C console port
7. Power Supply Connector
8. Wi-Fi Antennas (x2) for supported models:
 - CPAP-SG2530W-SNBT
 - CPAP-SG2550W-SNBT
 - CPAP-SG2550W5G-SNBT (4 Antennas)

Spark 2560/2570



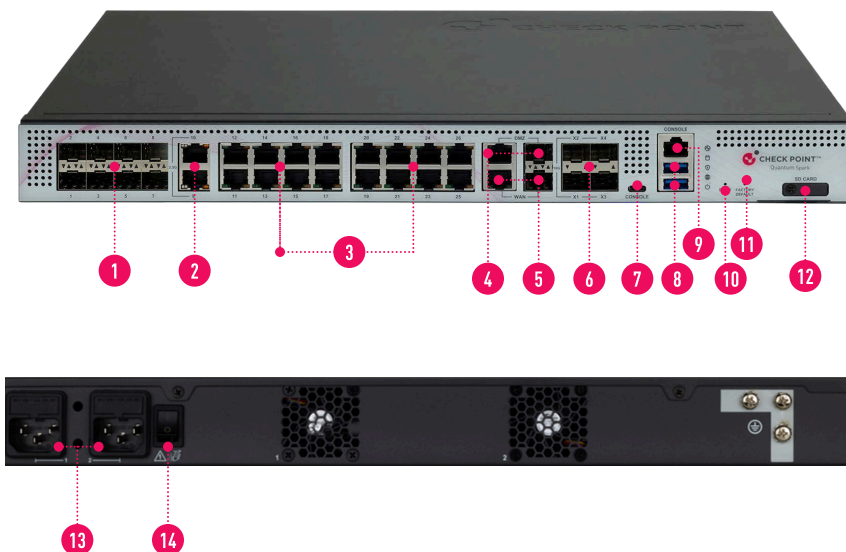
1. Power Switch
2. 8x RJ45 1GbE LAN ports
3. 1GbE RJ45 WAN port
4. 1GbE SFP DMZ port
5. 2x 10GbE SFP+ LAN/WAN ports
6. USB 3.0 Type-A port
7. USB Type-C console port
8. Power Supply Connector (Dual)
9. Wi-Fi Antennas (x4) for supported models:
 - CPAP-SG2560W-SNBT
 - CPAP-SG2570W-SNBT
 - CPAP-SG2570W5G-SNBT (8 Antennas)

Spark 2580



1. 2x RJ45 2.5GbE LAN ports
2. 8x RJ45 1GbE LAN ports
3. 10GbE RJ45/SFP+ DMZ ports
4. 10GbE RJ45/SFP+ WAN ports
5. USB 3.0 Type-A port
6. RJ45 console port
7. USB Type-C console port
8. Factory Default switch
9. Reset switch
10. Dual power Supply Connector
11. Power Switch

Spark 2590



1. 8x 1GbE SFP LAN ports
2. 2x RJ45 2.5GbE LAN ports
3. 16x RJ45 1GbE LAN ports
4. 1GbE RJ45/SFP DMZ ports
5. 1GbE RJ45/SFP WAN ports
6. 4x 10GbE SFP+ LAN ports
7. USB Type-C console port
8. 2x USB 3.0 Type-A ports
9. RJ45 console port
10. Reset switch
11. Factory default switch
12. SD card slot
13. Power Supply sockets (Dual)
14. Power Switch

Specifications

Test Conditions	2530	2550	2560	2570	2580	2590
Threat Prevention [Mbps] ¹	750	1,000	1,850	2,500	3,200	5,500
Next Generation Firewall [Mbps] ²	1,200	1,600	3,750	5,000	9,000	11,000
IPS Throughput [Mbps]	1,720	2,300	5,170	6,900	11,000	12,000
Firewall Throughput [Mbps]	2,250	3,000	6,750	9,000	17,500	
RFC 3511, 2544, 2647, 1242 Performance (Lab)						
Firewall 1518 bytes UDP [Mbps]	3,000	4,000	11,600	15,500	20,000	25,000
Firewall Latency Avg. (Sec)	90		30	24		
VPN AES-GCM 1452B [Mbps]	1,400		4,000	4,500		5,500
Connections/Sec	16,000	20,000	53,000	62,000	72,000	75,000
Concurrent Connections	1,000,000		2,000,000			4,000,000
Software						
Security	Firewall, VPN, User Aware, QoS, Application Control, URLF, IPS, Anti-Bot, Antivirus, Anti-Spam, sandboxing					
Unicast, Multicast Routing and Clustering	OSPFv2, BGPv4 and 4++, RIP, PIM (SM, DM, SSM), IGMP, ClusterXL High Availability					
IPv6	local network and internet connections, dual stack tunneling IPv4 over IPv6 networks, prefix delegation					
Remote Access Users	100		200		1,000	
SD-WAN	Integrated SD-WAN network optimization and resilience					
VLAN's	Total physical and virtual (VLAN) interfaces per appliance: 1024 (single gateway)					
Link Aggregation	802.3ad passive and active link aggregation					
Layer 2	Layer 2 (transparent) and Layer 3 (routing) mode					
IPv6	NAT66, NAT64, NAT46 / CoreXL, SecureXL, HA with VRRPv3					
Management Options	Web UI, Spark Management application, Smart-1 Cloud & Management Server					

Hardware	2530		2550		2560		2570		2580		2590			
WAN Port	1 x 1GbE RJ45/SFP				1 x 1GbE RJ45				1 x 10GbE RJ45/SFP+		1 x 1GbE RJ45 / SFP			
DMZ Ports	1 x 1GbE RJ45/SFP				1 x 1GbE SFP				1 x 10GbE RJ45/SFP+		1 x 1GbE RJ45 / SFP			
LAN Ports any LAN ports may be repurposed for WAN connectivity if required.	6 x 1GbE RJ45				8 x 1GbE RJ45 2 x 10GbE SFP+				8 x 1GbE RJ45 2 x 2.5GbE RJ45		16 x 1GbE RJ45 2 x 2.5GbE RJ45 4 x 10GbE SFP+ 8 x 1GbE SFP			
Wi-Fi & bands	Wi-Fi 7 2x2 2.4Ghz + 5Ghz				Wi-Fi 7 4X4 2.4Ghz + 5Ghz + 6Ghz				-					
5G / LTE (optional)	-	5G (SA, redcap) / LTE Cat 4		-		5G (SA / non-SA) / LTE Cat 20								
SD Card Slot	Micro-SD slot													
Dimensions / Weights														
Dimensions (W x D x H) Wired Dimensions (W x D x H) Wi-Fi Dimensions (W x D x H) Wi-Fi / 5G	210x180x42.5 mm, 8.3x 7.1x1.7 in.				210x194x42.5 mm, 8.3x7.6x1.7 in. 210x194x42.5 mm, 8.3x7.6x1.7 in. 210x219x42.5 mm, 8.6x7.6x1.7 in.				210x210x42.5 mm 8.3x8.3x1.7 in.		430x300x42.5 mm 16.9x11.8x1.7 in.			
Weight – Wired Weight – Wi-Fi Weight – Wi-Fi / 5G	0.70 kg (1.53 lbs.) 0.77 kg (1.70 lbs.) -	0.70 kg (1.53 lbs.) 0.77 kg (1.70 lbs.) 0.98 kg (2.15 lbs.)		0.99 kg (2.18 lbs.) 1.37 kg (3.02 lbs.) -		0.99 kg (2.18 lbs.) 1.37 kg (3.02 lbs.) 1.66 kg (3.65 lbs.)		0.99 kg (2.18 lbs.)		4.47 kg (9.85 lbs.)				
Weight Packed – Wired Weight Packed – Wi-Fi Weight Packed – Wi-Fi / 5G	1.78 kg (3.92 lbs.) 1.85 kg (4.07 lbs.) -	1.78 kg (3.92 lbs.) 1.85 kg (4.07 lbs.) 2.14 kg (4.72 lbs.)		2.05 kg (4.52 lbs.) 2.68 kg (5.92 lbs.) -		2.05 kg (4.52 lbs.) 2.68 kg (5.92 lbs.) 3.39 kg (7.47 lbs.)		2.05 kg (4.52 lbs.)		6.88 Kg (15.17 lbs.)				
Environment														
Operating / Storage	0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing)													
MTBF	Wired / Wi-Fi Models - 126 Years				Wired / Wi-Fi Models - 33 Years				Wired - 57 Years		47.5 Years			
Power Requirements														
AC Input	100 to 240VAC (47-63Hz)													
Dual Power	No				Available									
Power Supply Rating	12V/3.3A 40W power adapter (non-Wi-Fi)				12V/5A 60W power adapter (all Wi-Fi models)						External Power Supply			
Power Consumption (Max)	26.01W (non-Wi-Fi); 31.28W (Wi-Fi); 35.5W (Wi-Fi-5G)												70.1W	
Certifications														
Safety	CB IEC 62368-1, CE LVD EN62368-1, UL62368-1, ASNZS 62368.1													
Emissions	CE, FCC IC, VCCI, ASNZS ACMA													
Environmental	ROHS, REACH, WEEE, ISO14001													
Regulated Model	T90 (Wired), T90W (Wi-Fi)				T91 (Wired), T91W (Wi-Fi)				T92		T93			

¹ Includes Firewall, Application Control, URL Filtering, IPS, Antivirus, Anti-Bot, SandBlast Zero-Day Protection with logging.

² Includes Firewall, Application Control, IPS with logging.

Security Appliances	SKU
Spark 2530 Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports.	CPAP-SG2530-SNBT
Spark 2530W Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports, 802.11ax 2x2 MIMO Wi-Fi 7.	CPAP-SG2530W-SNBT
Spark 2550 Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports.	CPAP-SG2550-SNBT
Spark 2550W Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports, 802.11ax 2x2 MIMO Wi-Fi 7.	CPAP-SG2550W-SNBT
Spark 2550W Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports, 802.11ax 2x2 MIMO Wi-Fi 7, 5G cellular	CPAP-SG2550-W-5G-SNBT
Spark 2560 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports.	CPAP-SG2560-SNBT
Spark 2560 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports, 802.11ax 4x4 MIMO Wi-Fi 7.	CPAP-SG2560W-SNBT
Spark 2570 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports.	CPAP-SG2570-SNBT
Spark 2570 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports, 802.11ax 4x4 MIMO Wi-Fi 7.	CPAP-SG2570W-SNBT
Spark 2570 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports, 802.11ax 4x4 MIMO Wi-Fi 7, 5G cellular.	CPAP-SG2570-W-5G-SNBT
Spark 2580 half-sized rack mount, 1x10GbE copper/SFP WAN port, 1x10GbE copper/SFP DMZ port, 8x1GbE and 2x2.5GbE copper LAN ports and Dual power supply.	CPAP-SG2580-SNBT
Spark 2590 1U rack mount, 8x 1GbE Fiber LAN ports, 2x RJ45 2.5GbE copper LAN ports, 16x RJ45 1GbE copper LAN ports, 1GbE copper/fiber DMZ ports, 1GbE copper/fiber WAN ports, 4x 10G Fiber LAN ports and Dual internal power supply.	CPAP-SG2590-SNBT

ACCESSORIES

Power Supplies	SKU
Replacement Power Supply for Spark 2530, Spark 2550 wired and Wi-Fi models	CPAC-2530/2550-PSU
Replacement Power Supply for Spark 2550W5G, Spark 2560, Spark 2570, Spark 2570W, Spark 2580, Force 3920, and Force 2950 models models	CPAC-2550W5G/2580/3920/3950-PSU
Replacement Power Supply for Spark 2570W5G models	CPAC-2570W5G-PSU

Rack Mounts	SKU
Rack Mount ears for Spark 2530, Spark 2550, Spark 2560, Spark 2570, Spark 2580, Force 3920, Force 3950 models	CPAC-2500/3900-RM-EARS
Rack Mount shelf for Single/Dual for Spark 2500/Force 3600/Force 3800 desktop appliances. The mount does not support Spark models with Wi-Fi	CPAP-2500/3900-RM-DUAL

Antennas	SKU
Replacement Wi-Fi and 5G antennas for Spark 2530 and Spark 2550 models. Contains four antennas (2+2)	CPAC-2550-ANTENNA
Replacement of 5G antennas for Spark 25705G models. Contains four antennas	CPAC-2570-ANTENNA

Transceivers	SKU
1GB Short Range Transceiver	CPAC-TR-1SX-D
1GB Long Range Transceiver	CPAC-TR-1LX-D
10GB Short Range Transceiver	CPAC-TR-10SR-D
10GB Long Range Transceiver	CPAC-TR-10LR-D

SD Memory Cards	SKU
SD memory card 64GB	CPAC-1500-64GB-SD
SD memory card 32GB	CPAC-1500-32GB-SD

SUBSCRIPTION SERVICES

	NGFW	NGTP	SNBT (SandBlast)
Application Control	✓	✓	✓
IPS	✓	✓	✓
URL Filtering		✓	✓
Anti-Bot		✓	✓
Anti-Virus		✓	✓
Anti-Spam		✓	✓
SandBlast Threat Emulation (sandboxing)			✓
Zero Phishing			✓
IoT Network Protection	IoT for SMB (Web UI and Spark Management) is included IoT for Enterprise (Smart1) requires an additional license		
SD-WAN Network Optimization	SD-WAN for SMB (Web UI and Spark Management) is included SD-WAN for Enterprise (Smart1) requires an additional license		

*The first-year purchase includes the SNBT package. Security subscription renewals, NGFW, NGTP and SNBT are available for subsequent years.

Worldwide Headquarters

5 Shlomo Kaplan Street, Tel Aviv 6789159, Israel | Tel: +972-3-753-4599

U.S. Headquarters

100 Oracle Parkway, Suite 800, Redwood City, CA 94065 | Tel: 1-800-429-4391

www.checkpoint.com