



Quantum Spark 2500 Series for SMBs and Branches

Security Gateways



YOU DESERVE THE BEST SECURITY



Quantum
Network Security

Top Security Effectiveness

Check Point has been ranked #1 for the third consecutive year, achieving a 99.9% malware block rate, 99.7% phishing prevention and 98% high and critical exploit prevention in the

[Miercom Hybrid Mesh Firewall Benchmark 2025](#)

Named a Leader by Top Analyst Firms

[Forrester Wave™ for Enterprise Firewalls 2024](#)

Check Point Recognized as a Leader and Outperformer for Enterprise Firewalls

[GigaOm Radar for Enterprise Firewalls 2025](#)

Supercharge your network security with the Quantum Spark 2500 gateway series of next generation firewalls designed for today's fast-paced SMBs and branches. Experience lightning-fast threat prevention with throughputs up to 3,250 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

Quantum Spark 2500 Performance Highlights

| Model | Next Gen Firewall | Threat Prevention |
|---------|-------------------|-------------------|
| QS 2530 | 960 Mbps | 750 Mbps |
| QS 2550 | 1,410 Mbps | 1,000 Mbps |
| QS 2560 | 2,810 Mbps | 1,500 Mbps |
| QS 2570 | 4,950 Mbps | 2,600 Mbps |
| QS 2580 | 8,920 Mbps | 3,250 Mbps |

Advanced security and uncompromising performance, built for SMBs & branches

Check Point Quantum Spark 2500 security gateway family 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 and 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)

Quantum Spark Management

Managed Service Providers use Quantum Spark Management to provision up to thousands of gateways 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 Management is included with the Spark appliance at no extra cost.

The Spark 2500 series can currently be managed by the Web UI and the Spark Management application on the Infinity Portal and WatchTower App.

Smart-1 Cloud and Management Server are currently not supported.

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

The Quantum 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 the 2500 Series, you can inspect encrypted traffic and prevent even the most evasive attacks without impacting internal network performance. Achieve 3.25 Gbps of threat prevention throughput and 6.1 Gbps of firewall throughput.

*Roadmap

Quantum Spark 2530/2550

Quantum Spark 2560/2570



1. Power Switch
2. 6x RJ45 1GbE copper LAN ports
3. 1GbE copper/fiber WAN port
4. 1GbE copper/fiber 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



1. Power Switch
2. 8x RJ45 1GbE copper LAN ports
3. 1GbE copper WAN port
4. 1GbE Fiber DMZ port
5. 2x 10GbE fiber 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

Quantum Spark 2580



1. 2x RJ45 2.5GbE copper LAN ports
2. 8x RJ45 1GbE copper LAN ports
3. 10GbE copper/fiber DMZ ports
4. 10GbE copper/fiber 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

Specifications

| Test Conditions | 2530 | 2550 | 2560 | 2570 | 2580 |
|--|--|--------|-----------|--------|--------|
| Threat Prevention [Mbps] | 750 | 1,000 | 1,500 | 2,600 | 3,250 |
| Next Generation Firewall [Mbps] ¹ | 960 | 1,410 | 2,810 | 4,950 | 8,920 |
| IPS Throughput [Mbps] | 1,320 | 1,760 | 3,590 | 5,500 | 8,000 |
| Firewall Throughput [Mbps] | 1,460 | 1,950 | 3,980 | 6,100 | 9,900 |
| RFC 3511, 2544, 2647, 1242 Performance (Lab) | | | | | |
| Firewall 1518 bytes UDP [Mbps] | 2,980 | 3,970 | 9,270 | 14,216 | 19,000 |
| Firewall Latency (Avg) | 90 | | 30 | | 24 |
| VPN AES-GCM 1452B [Mbps] | 1,075 | 1,440 | 2,590 | 3,970 | 4,500 |
| Connections/Sec | 12,940 | 17,250 | 24,480 | 37,540 | 40,000 |
| Concurrent Connections | 730,000 | | 1,600,000 | | |
| 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 are currently not supported | | | | |

| Hardware | 2530 | | 2550 | 2560 | | 2570 | 2580 |
|----------------------------|--|-----|------|---|-----|---|-----------|
| WAN Port | 1 x 1GbE RJ-45/SFP | | | 1 x 1GbE RJ45 | | 1 x 1GbE RJ-45/SFP 1 x 10GbE RJ-45/SFP | |
| DMZ Ports | 1 x 1GbE RJ-45/SFP | | | 1 x 1GbE SFP | | 1 x 1GbE RJ-45/SFP 1 x 10GbE RJ-45/SFP | |
| LAN Ports | 6 x 1GbE RJ45 | | | 8 x 1GbE RJ45 and 2 x 10GbE SFP+ | | 8 x 1GbE RJ45 2 x 2.5GbE J45 | |
| Wi-Fi & bands | Wi-Fi 7 2x2 2.4Ghz + 5Ghz | | | Wi-Fi 7 4X4 2.4Ghz + 5Ghz + 6Ghz | | - | |
| 5G ² (optional) | No | Yes | | No | Yes | | No |
| SD Card Slot | Micro-SD slot | | | | | | |
| Local Log Storage | - | | | | | | 512GB SSD |
| Dimensions | | | | | | | |
| Dimensions (W x D x H) | 210 x 170 x 42 mm, 8.3 x 6.7 x 1.7 in. | | | 210 x 170 x 42 mm, 8.3 x 6.7 x 1.7 in. | | 210 x 209x 42 mm, 8.3 x 8.3 x 1.7 in. | |
| Weight | 0.87 kg (1.9 lbs.) | | | 0.87 kg (1.9 lbs.) | | 0.988 kg (2.178lbs.) | |
| Environment | | | | | | | |
| Operating / Storage | 0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing) | | | | | | |
| MTBF | Wired / Wi-Fi Modles - 126 Years | | | Wired / Wi-Fi Modles - 33 Years | | Wired - 57 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) | | | |
| Power Consumption (Max) | 26.01W (non-Wi-Fi); 31.28W (Wi-Fi); 35.5W (Wi-Fi-5G) | | | | | | |
| 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 | |

¹ Includes Firewall, App Control and IPS with logging enabled

² Roadmap

| Security Appliances | SKU |
|--|-----------------------|
| 2530 Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports. | CPAP-SG2530-SNBT |
| 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 |
| 2550 Desktop form factor, 1x1GbE copper/SFP WAN port, 1x1GbE copper/SFP SFP port, 4x1GbE copper LAN ports. | CPAP-SG2550-SNBT |
| 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 |
| 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-SG2570-W-5G-SNBT |
| 2560 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports. | CPAP-SG2560-SNBT |
| 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 |
| 2570 Desktop form factor, 1x1GbE copper WAN port, 1x1GbE copper/SFP DMZ port, 8x1GbE copper LAN ports, 2x10GbE SFP+ LAN ports. | CPAP-SG2570-SNBT |
| 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 |
| 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 |
| 2580 half-sized rack mounted, 1x10GbE copper/SFP WAN port, 1x10GbE copper/SFP DMZ port, 8x1GbE and 2x2.5GbE copper LAN ports and Dual power supply. | CPAP-SG2580-SNBT |

ACCESSORIES

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

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

| Antennas | SKU |
|--|-------------------|
| Replacement Wi-Fi and 5G antennas for 2530 and 2550 models. Contains four antennas (2+2) | CPAC-2550-ANTENNA |
| Replacement of 5G antennas for 2570 and 2590 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 |

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 | optional | optional | optional |
| SD-WAN Network Optimization | optional | optional | optional |

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

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