



## UNIFYING THE BEST SECURITY WITH OPTIMIZED CONNECTIVITY

A software blade in Quantum Gateways, Quantum SD-WAN lets you extend market-leading security to optimized internet and network connectivity.

### SD-WAN Supports AI-driven Hybrid Mesh Networks

SD-WAN and firewalls continue to converge, as per Gartner, “They aid enterprise evolution from private to public internet-based networking as traffic shifts from applications hosted in private data centers to public cloud applications and SaaS.”<sup>1</sup>

By combining multiple types of connections, such as MPLS, broadband, wireless and satellite, SD-WAN connects offices directly to the internet and cloud for optimal speed, uptime, performance and lower costs.

### Quantum SD-WAN—SD-WAN Built into the Best Threat Prevention

Quantum SD-WAN is a software blade in Quantum Gateways that unifies the best security with optimized internet and network connectivity.

By deploying Quantum SD-WAN right from your Quantum Gateways or CloudGuard Network, network and security teams team reap immediate benefits:

- Optimize branch connectivity to the internet and cloud over MPLS, broadband, satellite or wireless
- Connect your offices, on-prem, and cloud data centers with a secure and resilient overlay [VPN] network
- Fail proof your connectivity with sub-second failover for unstable connections, and continuous link health monitoring against predefined thresholds.
- Secure your branch offices with a full enterprise grade security stack embedded into your wide area branch network, to deliver the highest malware catch rate
- Gain end-to-end monitoring and visibility into network health, including application performance and SLA metrics

#### Quantum SD-WAN Immediate Benefits

- Industry-best catch rate for preventing zero-days, phishing and ransomware
- Auto-enhanced connectivity for 10,000+ apps and users, with subsecond failover
- Complete SASE solution managed from the cloud
- Simple onboarding with step-by-step wizard and automated steering policy
- Scalable, centralized management, link health monitoring and troubleshooting

## Quantum SD-WAN Core Capabilities

Quantum SD-WAN offers rich SD-WAN capabilities that are critical to a successful SD-WAN deployment. These include:

### Multiple WAN Link Support

Quantum SD-WAN supports MPLS, broadband, satellite and wireless (LTE/4G/5G) connections with simplified link detection. Advanced link mapping lets you steer traffic to specific links and apply policies across hundreds of branches easily.

### Sub-Second Failover for Unstable Connections

Quantum SD-WAN monitors overlay and breakout networks, adapting paths in real time with sub-second failover. This ensures reliable connectivity for latency-sensitive apps like Zoom™, Teams™, VoIP, and remote helpdesk support. It also simplifies site-to-site VPN setup with IPSec tunnels, link redundancy, and dynamic path selection, giving branches secure, resilient access to datacenters and hubs.

### Optimized Routing for Users and 10,000+ Apps

Thanks to its advanced first-packet application detection engine, pre-configured with 10,000+ apps, Quantum SD-WAN detects applications from the first packet, and features a flexible out-of-the-box steering policy that delivers enhanced connectivity from day 1.

### Networking Policy Customization

Offering intuitive, granular policy customization, Quantum SD-WAN lets you define the connection source (e.g. users, groups, devices or networks), the target service (10,000+ preconfigured apps) and the behavior that defines how the traffic will be steered, to achieve a configurable SLA for your connection.

### Autonomous Dynamic Traffic Steering

To optimize each connection in real time, Quantum SD-WAN provides link health monitoring for jitter, latency, and packet loss with autonomous, dynamic path selection based on application, user or group identity and link health. Link aggregation enables utilizing more bandwidth for local breakout and overlay connectivity.

### Intuitive Cloud-based Monitoring, Reporting and Management

Powered by the Infinity Platform, Check Point's cloud-based management, Quantum SD-WAN delivers advanced management, monitoring, and analytics. To enable a quick response to burnouts and failures, the solution provides real time visibility into network health, including an overall view, granular health visibility per branch, and network and SLA metrics.

### Rich Portfolio of Firewall Form Factors

Quantum SD-WAN is supported by Check Point's entire portfolio of firewall form factors, including SMB gateways, enterprise and datacenter gateways, software deployments (Open Server), cloud native firewalls (CloudGuard Network) and ruggedized firewalls.

### A Complete SASE Solution

Integrating with Check Point Harmony SASE, Quantum SD-WAN is part of a single-vendor SASE solution, managed from the Infinity Platform, with unified monitoring, logging, security operations (XDR) and threat intelligence (Threat Cloud AI).

**Third-party SSE Integrations**

Quantum SD-WAN features certified integrations with 3rd party security service edge (SSE) providers, including Zscaler and Microsoft Entra SSE, providing flexibility for organizations who prefer dual-vendor SASE or need redundancy-supporting infrastructure.

**Hybrid Mesh Network Security Architecture**

Quantum SD-WAN is part of Check Point's Hybrid Mesh Network Security architecture that offers distributed enforcement across networks, cloud and remote users for optimized performance and cost, unified security management, flexibility deployment options and consistent security.

## Why Choose Secure SD-WAN from Check Point?

Organizations around the globe, from all industries and sectors, have chosen secure SD-WAN from Check Point thanks to our:

- Industry-leading threat prevention
- Fully converged solution
- Mature management
- Diverse SASE solutions

## Technical Specifications

### Core Networking Capabilities

**Supported Gateways & Platforms**

- Quantum Security Gateways - Including VSX, ClusterXL, ElasticXL
- Quantum Maestro
- Open Server
- CloudGuard Network
- Public Clouds - Azure, AWS, Oracle, Google, VMware
- Private and hybrid clouds - VMware, Cisco ACI/ISE, OpenStack, Nutanix, Nuage

**SD-WAN Capabilities**

- Sub-second failover for overlay and supported applications
- Link aggregation
- Link prioritization - according to Latency, Jitter, and Packet loss
- SLA monitoring – Quality of Service (QoS) per application
- Autonomous link swapping
- IPSec VPN AES 128/256, IKEv2

**Network services**

- IPV4, IPV6, DNS, DHCP, NAT

## Licensing

- Quantum SD-WAN is available as subscription service
- SD-WAN is licensed per security gateway

## Security Gateway Models

Quantum SD-WAN supports all the latest Check Point firewalls . To check for support in specific legacy models, please visit the Quantum SD-WAN page on the product catalog, and then click a specific model.

| Model                     | Size                 | TP       | VPN       | WAN Type          | # LAN Ports                |
|---------------------------|----------------------|----------|-----------|-------------------|----------------------------|
| <b>Quantum Spark 2530</b> | Small Branch Office  | 0.8 Gbps | 1 Gbps    | RJ45 1G/SFP 1G    | 6x 1G                      |
| <b>Quantum Spark 2550</b> | Small Branch Office  | 1 Gbps   | 1 Gbps    | RJ45 1G/SFP 1G    | 6x 1G                      |
| <b>Quantum Spark 2560</b> | Small Branch Office  | 2.1 Gbps | 4 Gbps    | RJ45 1G/SFP 10G   | 8x RJ45 1G / 2xSFP 10G*    |
| <b>Quantum Spark 2570</b> | Small Branch Office  | 2.5 Gbps | 4 Gbps    | RJ45 1G/SFP 10G   | 8x RJ45 1G / 2xSFP 10G*    |
| <b>Quantum Spark 2580</b> | Small Branch Office  | 3.2 Gbps | 4.5 Gbps  | RJ45 1G/SFP 1G    | 8x RJ45 1G + 2xRJ45        |
| <b>Quantum Force 3920</b> | Small Branch Office  | 3.2 Gbps | 9.5 Gbps  | RJ45 1G/SFP 1G    | 8x RJ45 1G + 2xRJ45        |
| <b>Quantum Force 3950</b> | Small Branch Office  | 5.5 Gbps | 17.5 Gbps | RJ45 1G/RJ45 10G* | 8x RJ45 1G + 2xRJ45 2.5G + |
| <b>Quantum Force 3970</b> | Medium Branch Office | 4.2 Gbps | 13 Gbps   | RJ45 1G/SFP 1G*   | 16x RJ45 1G + 2xRJ45       |
| <b>Quantum Force 3980</b> | Medium Branch Office | 7 Gbps   | 23 Gbps   | RJ45 1G/SFP 1G*   | 16x RJ45 1G + 2xRJ45       |
| <b>Quantum Force 9100</b> | Medium Enterprise    | 6.5 Gbps | 22.1 Gbps | RJ45 1G/RJ45 1G*  | 8x RJ45 1G + 8xSFP         |
| <b>Quantum Force 9200</b> | Medium Enterprise    | 8 Gbps   | 28.6 Gbps | RJ45 1G/RJ45 1G*  | 8x RJ45 1G + 8xSFP         |
| <b>Quantum Force 9300</b> | Medium Enterprise    | 10.5     | 33 Gbps   | RJ45 1G/RJ45 1G*  | 8x RJ45 1G + 8xSFP         |
| <b>Quantum Force 9400</b> | Medium Enterprise    | 14 Gbps  | 40 Gbps   | RJ45 1G/RJ45 1G*  | 8x RJ45 1G + 4xSFP         |
| <b>Quantum Force 9700</b> | Large Enterprise     | 20 Gbps  | 75 Gbps   | RJ45 1G/RJ45 1G*  | 4x RJ45 1G + 4xSFP         |
| <b>Quantum Force 9800</b> | Large Enterprise     | 25 Gbps  | 75 Gbps   | RJ45 1G/RJ45 1G*  | 4x RJ45 1G + 4xSFP         |

## Security Gateway Models (cont'd)

| Model                      | Size             | TP      | VPN       | WAN Type | # LAN Ports          |
|----------------------------|------------------|---------|-----------|----------|----------------------|
| <b>Quantum Force 19100</b> | Large Enterprise | 35 Gbps | 75.3 Gbps | -        | 8xSFP 1/10/100G X4** |
| <b>Quantum Force 19200</b> | Large Enterprise | 44 Gbps | 86 Gbps   | -        | 8xSFP 1/10/100G X4** |
| <b>Quantum Force 29100</b> | Data Center      | 60 Gbps | 103 Gbps  | -        | 8xSFP 1/10/100G X7** |
| <b>Quantum Force 29200</b> | Data Center      | 75 Gbps | 130 Gbps  | -        | 8xSFP 1/10/100G X7** |

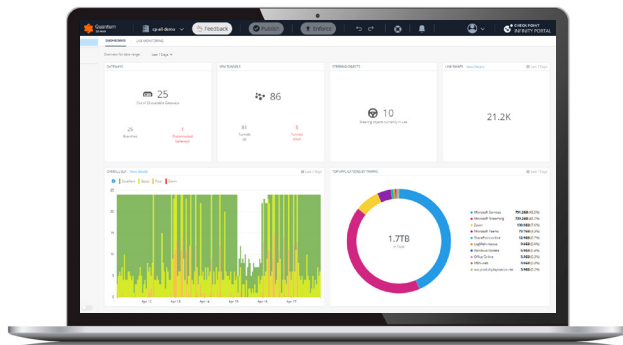


Figure 1 Quantum SD-WAN Dashboard

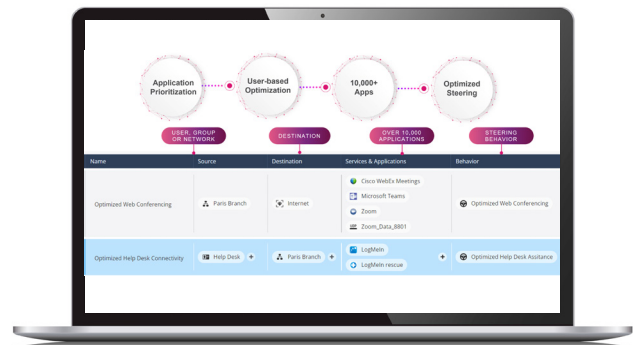


Figure 2 Quantum SD-WAN Policy Configuration

To learn more, visit:

<https://www.checkpoint.com/quantum/sd-wan/>

Or get started with a demo:

<https://pages.checkpoint.com/quantum-sd-wan-demo-request.html>

### 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](http://www.checkpoint.com)