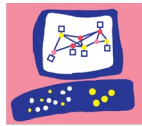# Quantum
Spark™

Check Point®
SOFTWARE TECHNOLOGIES LTD

SECURITY FOR
SMALL BUSINESSES
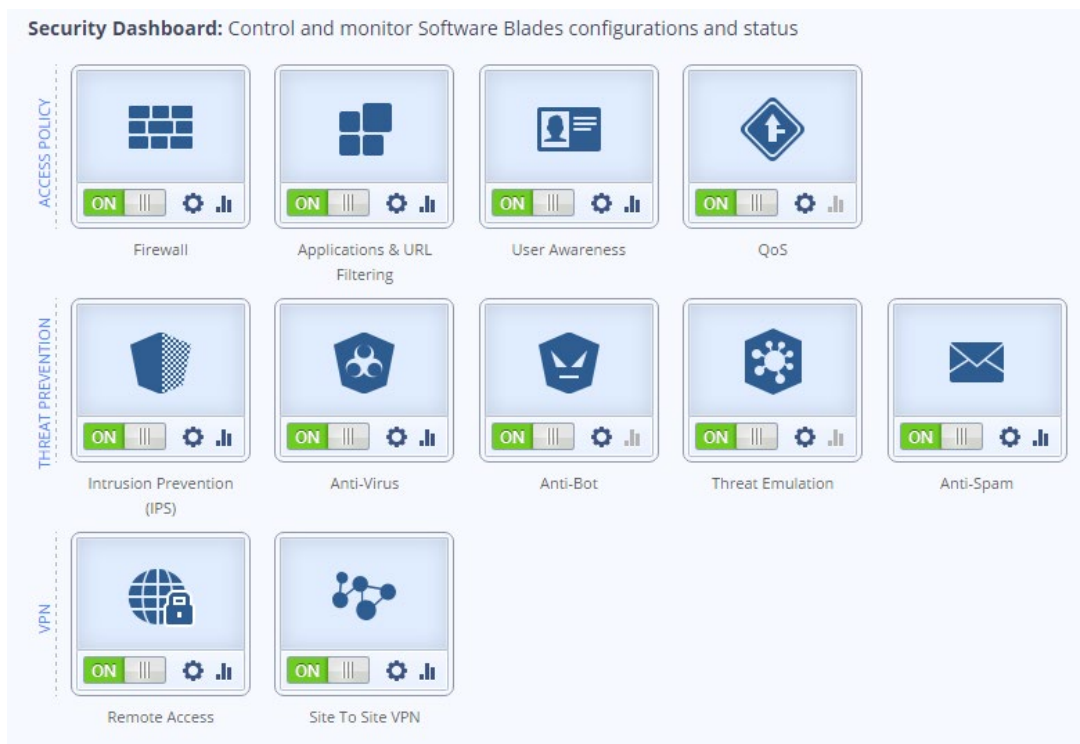
2021

SECURITY GATEWAYS FOR SMALL BUSINESS

UNCOMPROMISING PERFORMANCE

A common problem with firewalls used by small businesses has to do with hardware performance. Most often, vendor-stated bandwidth claims fall short when put to the real-world test. As a result, as Internet speeds degrade over time, security services are often disabled to compensate. This action allows entry for Internet attacks. Check Point security gateways for small businesses provide unparalleled security without the performance degradation witnessed by other firewalls. Small businesses are able to maintain full Internet performance without disabling key security features.

SECURITY WITHOUT COMPLEXITY

Many small businesses need protection against today's sophisticated cyber-attacks and zero-day threats. Check Point security gateways for small businesses bring the same protection used by large enterprises and Fortune 100 companies and make it easily accessible. The same next-generation threat prevention deployed to deliver the highest levels of protection for large enterprises integrates firewall, VPN, antivirus, anti-bot, application visibility and control, URL filtering, email security and SandBlast Zero-Day Protection (sandboxing) in a simpler, easy-to-use, easy-to-manage small business package.

Security Dashboard: Control and monitor Software Blades configurations and status

ACCESS POLICY

| Firewall | Applications & URL Filtering | User Awareness | QoS |

THREAT PREVENTION

| Intrusion Prevention (IPS) | Anti-Virus | Anti-Bot | Threat Emulation | Anti-Spam |

VPN

| Remote Access | Site To Site VPN |

Ready to Use Pre-defined Security Policy

NEXT GENERATION THREAT PREVENTION

COMPREHENSIVE THREAT PREVENTION

The rapid growth of malware, growing attacker sophistication and the rise of new unknown zero-day threats requires a different approach to keep enterprise networks and data secure. Check Point delivers fully integrated, comprehensive Threat Prevention to combat these emerging threats while reducing complexities and increasing operational efficiencies. The Check Point Threat Prevention solution includes powerful security features such as firewall, IPS, Anti-Bot, Antivirus, Application Control, and URL Filtering to combat known cyber-attacks and threats – now enhanced with the award-winning SandBlast™ Threat Emulation for complete protection against the most sophisticated threats and zero-day vulnerabilities.

PREVENT KNOWN AND ZERO-DAY THREATS

As part of the Check Point SandBlast Zero-Day Protection solution, the cloud-based Threat Emulation engine detects malware at the exploit phase, even before hackers can apply evasion techniques attempting to bypass the sandbox. Files are quickly quarantined and inspected, running in a virtual sandbox to discover malicious behavior before it enters your network. This innovative solution combines cloud-based CPU-level inspection and OS-level sandboxing to prevent infection from the most dangerous exploits, and zero-day and targeted attacks.

Check Point
SandBlast™

QUANTUM SPARK 1600, 1800
UNCOMPROMISING PERFORMANCE

Quantum Spark 1600

Quantum Spark 1800

Enforcing consistent network security is challenging for small to mid-size businesses where there are few users with little to no IT expertise. Small to mid-size business offices require the same level of protection from sophisticated cyber-attacks and zero-day threats that is available in larger enterprise offices.

The Check Point Quantum Spark 1600 and 1800 security gateways deliver enterprise-grade security in simple, affordable, all-in-one security solutions in a 1 Rack Unit (RU) form factor to protect small to mid-size business employees, networks and data from cyber-theft. High threat prevention throughput and high port capacity with 2.5 and 10 GbE network interfaces in the 1800 make these NGFWs ideal for larger branch and SMB networks.

ALL-INCLUSIVE SECURITY

All-Inclusive Next Generation Threat Prevention (NGTP) with SandBlast: apply multiple layers of protection to prevent sophisticated cyber-threats — with Application Control, URL Filtering, IPS, Anti-Bot, Antivirus, Email Security and SandBlast Zero-Day Protection (sandboxing).

1600, 1800 GATEWAY HIGHLIGHTS

The 1600 and 1800 gateways come standard with sixteen (16) 1-Gigabit Ethernet LAN switch ports and a 1-GbE WAN port configuration that supports copper or fiber connections. The DMZ port is a combination copper/fiber 1 GbE port in the 1600 and 10 GbE in the 1800. The 1800 has an additional two (2) 2.5 GbE LAN ports and two (2) power supplies for redundancy.

Maximum Capacities	1600	1800
Threat prevention[1]	1.5 Gbps	2 Gbps
Next-Gen Firewall + IPS	3.2 Gbps	5 Gbps
LAN ports	16x 1GbE copper ports	16x 1GbE copper plus 2x 2.5GbE copper ports
WAN ports	1x 1GbE copper/fiber port	2x 1GbE copper/fiber port
DMZ ports	1x 1GbE copper/fiber port	1x 10GbE copper/fiber port
Power supplies	1	2 redundant
Storage	32 GB eMMC plus a 64 GB micro-SD card option	32 GB eMMC plus a 256 GB SSD

[1] measured with an Enterprise traffic blend and the most secure threat prevention

QUANTUM SPARK 1500
SECURE ALL-IN ONE SOLUTION

Quantum Spark 1530, 1550 Wi-Fi

Quantum Spark 1570, 1590 Wi-Fi

OVERVIEW

Enforcing consistent network security is challenging in small offices and where the enterprise border extends to small, remote and branch offices where there are a few users with little to no IT expertise. Small and remote offices require the same level of protection from sophisticated cyber-attacks and zero-day threats as main corporate offices.

The Quantum Spark 1500 security gateways are ideal for small and remote branch offices. For local management and support in a small office environment, an easy and intuitive web-based local management interface is available. Enterprises who want to manage security from a central office can leverage on-premises or cloud-hosted security management to remotely manage and apply a consistent security policy to thousands of devices across the field offices.

ALL-INCLUSIVE SECURITY

All-Inclusive Next Generation Threat Prevention (NGTP) with SandBlast: apply multiple layers of protection to prevent sophisticated cyber-threats — with Application Control, URL Filtering, IPS, Anti-Bot, Antivirus, Email Security and SandBlast Zero-Day Protection (sandboxing).

1500 GATEWAY HIGHLIGHTS

Available in four models, the 1530/1550 and the 1570/1590, these gateways come standard with six (6) or ten (10) 1-Gigabit Ethernet ports respectively. Models with Wi-Fi, Wi-Fi with xDSL and Wi-Fi with an embedded 3G/4G/LTE modem fit seamlessly into your home and branch office networks.

Maximum Capacities	1530	1550	1570	1590
Threat prevention[1]	340 Mbps	450 Mbps	500 Mbps	660 Mbps
Next-Gen Firewall + IPS	600 Mbps	800 Mbps	970 Mbps	1,300 Mbps
1 GbE ports (Copper)	1x WAN, 5x LAN switch ports		1x WAN, 1x DMZ, 8x LAN switch ports	
Fiber option	✖		✔	
Wi-Fi option	802.11 b/g/n/ac, 2.4 or 5GHz band		802.11 b/g/n and 802.11 n/ac wave II, 2.4 and 5 GHz bands	
DSL option	✖		✔	
LTE option	✖		✔	

[1]measured with an Enterprise traffic blend and the most secure threat prevention

QUANTUM SPARK COMPARISON

	1530	1550	1570	1590	1600	1800
Performance						
Threat prevention (Mbps)[1]	340	450	500	660	1,500	2,000
Next-Gen Firewall (Mbps)[1]	600	800	970	1,300	3,200	5,000
Firewall throughput (Mbps)[1]	1,000	1,000	2,800	2,800	4,800	7,500
Ideal Test Conditions						
Firewall 1518 byte UDP (Mbps)	2,000	2,000	6,400	6,400	8,000	17,000
VPN AES-128 (Mbps)	970	1,300	1,950	2,600	3,200	4,000
Connections per second	10,500	14,000	15,750	21,000	55,000	66,000
Concurrent connections	500,000	500,000	500,000	500,000	2,400,000	2,400,000
Software						
Security	Firewall, VPN, User Awareness, QoS, Application Control, URL Filtering, IPS, Anti-Bot, Antivirus, Email Security and SandBlast Threat Emulation (sandboxing)					
Unicast, Multicast Routing	OSPFv2, BGPv4 and 4++, RIP, PIM (SM, DM, SSM), IGMP					
Mobile Access User License	100	100	200	200	500	500
Hardware						
LAN ports	5x 1GbE	5x 1GbE	8x 1GbE	8x 1GbE	16x 1GbE	16x 1GbE
LAN ports, 2.5GbE	✘	✘	✘	✘	✘	2x LAN
WAN ports	1x 1GbE	1x 1GbE	1x copper/fiber	1x copper/fiber	1x copper/fiber	2x copper/fiber
DMZ ports	✘	✘	1GbE copper/fiber	1GbE copper/fiber	1GbE copper/fiber	10GbE copper/fiber
Wi-Fi (optional)	✔	✔	✔	✔	✘	✘
DSL (optional)	✘	✘	✔	✔	✘	✘
LTE modem (optional)	✘	✘	✔	✔	✘	✘
Console port	✔	✔	✔	✔	✔	✔
USB ports	✔	✔	✔	✔	✔	✔
SD card slot	✘	✘	✔	✔	✔	✔
SSD	✘	✘	✘	✘	✘	256 GB
Power supplies	1	1	1	1	1	2
Datasheet link	🗒	🗒	🗒	🗒	🗒	🗒

[1] measured with enterprise traffic blend, the most secure threat prevention and logging enabled

CLOUD MANAGED SERVICE

Focus on your business.
Leave the security to us.

- **Advanced protection, maximum performance**
- **Unmatched flexibility**
- **Managed from the cloud**
- **Always-On 24x7 support**

Monitoring

Reporting

Firmware Updates

Security Updates

LACK THE EXPERTISE OR TIME FOR SECURITY?

Check Point and our partners offer a cloud managed security service that will oversee the ongoing operation of the Small Business Gateways. Security experts from Check Point or a Managed Security Service Provider (MSSP) manage security at a very low monthly cost, allowing small business owners to focus on growing their business.

The Cloud-Managed Security Service offers a simple, all-in-one solution with easy setup.
- Ongoing management through the cloud by Check Point security experts
- Continuous automatic security updates and upgrades
- 24x7 customer support by Check Point's award-winning support team
- Security reports on demand or as requested

WHAT ARE YOU WAITING FOR?

Security for a small business is too important to ignore. With Check Point, small businesses can feel confident that they have the best security available, in a package that doesn't require extensive expertise or time to get high levels of protection.

Contact a Check Point Authorized Reseller today to get started with enterprise-level security that protects the small business.

Visit www.checkpoint.com/smb for more information.