



QUANTUM SPARK[™] 1600, 1800 SECURITY GATEWAYS



Secure. Simple. Complete.

Check Point Quantum Spark security gateways are high performance, integrated devices offering firewall, VPN, antivirus, application visibility and control, URL filtering, email security and SandBlast Zero-Day Protection, all in compact form factors that are simple to configure and manage.



Quantum Spark – Full Protection for Small and Midsize Businesses



Protection from Every Threat



Easy to Deploy and Manage



All-in-One Solution





SPOTLIGHT

Advanced security, uncompromising performance

The Check Point Quantum Spark 1600 and 1800 security gateways deliver enterprise-grade security in simple, affordable, all-inone 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.

Comprehensive Protection

- Next Generation Firewall
- Site-to-Site VPN
- Remote Access VPN
- Application Control and Web Filtering
- ✤ IoT Device Recognition
- Intrusion Prevention
- Antivirus
- ✤ Anti-Bot
- Anti-Spam
- SandBlast Threat Emulation (sandboxing)



1/2.5/5/10 GbE Network Connectivity

The 1600 has 1GbE copper or fiber options for the WAN and DMZ. The 1800 has a 1GbE Management port, 2.5GbE options for the LAN and a 10GbE copper or fiber option for the DMZ.

	1600	1800
LAN	16x 1GbE copper	16x 1GbE copper plus 2x 2.5GbE copper
DMZ	1x 1GbE copper/fiber	1x 10GbE copper/fiber
WAN	1x 1GbE copper/fiber	2x 1GbE copper/fiber
MGMT		1x 1GbE copper

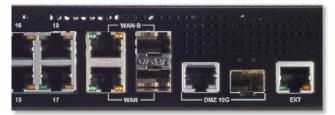




R80 Software for SMB Gateways

R80 software for SMB increases performance and brings enterprise-grade security to small and medium size businesses. Centrally managed SMB gateways support:

- Unified access policy: firewall, application control, URLF
- Policy layers and sub-policies
- Acceleration of domain, dynamic and time objects
- Multicore VPN and VPN acceleration



1800 Port Configuration

Cloud Management

An intuitive web-based user interface, enables service providers to provision security efficiently for small and medium-size businesses. In addition a cloud-hosted Security Management Portal scales to manage over 10,000 Check Point Quantum Spark Gateways. SMBs can leave security to a service provider so they can focus on growing their own business.





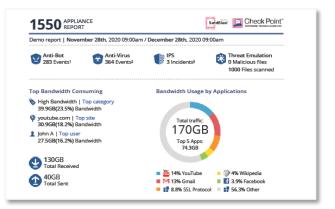
SPOTLIGHT

Lower the complexity of managing your security

Setup can be done in minutes using pre-defined security policies and a step-by-step configuration wizard. Check Point Quantum Spark Security Gateways are conveniently manageable locally via a Web interface and centrally with a cloud-based Check Point Security Management Portal (SMP) or R80 Security Management.

Simple, Intuitive Reporting

The web interface shows logs, active computers, and hourly, daily, weekly and monthly reports. In-network analysis find top applications and users consuming the most bandwidth. Security analysis shows users visiting high-risk sites and using high-risk applications, as well as any incidents or infected hosts found during the reporting period.





Security Management App

The intuitive mobile app provides real-time monitoring of network events, alerts you when your network is at risk, enables you to quickly block security threats, and configure the security policy for multiple gateways.

- Network security snapshot: view connected devices and any threats
- Real-time security alerts: highlights attacks and unauthorized devices
- **On-the-spot threat mitigation:** quickly block infected devices
- Network statistic reports and charts: gain insights on network usage patterns
- Manage multiple gateways: manage security in the palm of your hand







1600 Security Gateway

- 1. SD card slot
- 2. 16x 1GbE LAN switch
- 3. 1x 1GbE copper/fiber DMZ port
- 4. Console port
- 5. 1x 1GbE copper/fiber WAN port
- 6. USB ports
- 7. 1x power supply
- 8. Power on/off switch
- 9. Fans



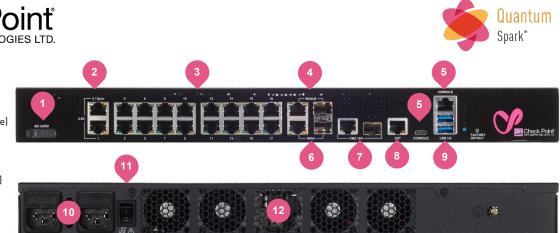
	1600	
Enterprise Testing Conditions		
Threat Prevention (Mbps) ¹	ips) 1,500	
Next Generation Firewall (Mbps) ²	3,200	
IPS Throughput (Mbps)	3,500	
Firewall Throughput (Mbps)	4,800	
RFC 3511, 2544, 2647, 1242 Performance	(LAB)	
Firewall 1518 Byte UDP Packets (Mbps)	8,000	
VPN AES-128 Throughput (Mbps)	3,200	
Connections per Second	55,000	
Concurrent Connections	2,400,000	
Software		
	Firewall, VPN, User Awareness, QoS, Application Control, URL Filtering, IPS, Anti-Bot, Antivirus, Anti-Spam and	
Security	SandBlast Threat Emulation (sandboxing)	
Unicast, Multicast Routing	OSPFv2, BGPv4 and 4++, RIP, IGMP	
Mobile Access License (Users)	500 remote SNX or Mobile VPN client users	
Hardware		
WAN Port	1x 10/100/1000Base-T RJ-45 / 1000BaseF SFP port (transceiver not included)	
DMZ Port	1x 10/100/1000Base-T RJ-45 / 1000BaseF SFP port (transceiver not included)	
LAN Switch Ports	16x 10/100/1000Base-T RJ-45 ports	
Console Ports	1x USB-C and 1x RJ-45 console port	
USB Port	2x USB 3.0 ports	
Storage	Micro-SD card slot with 32 and 64 GB card options	
eMMC	32 GB	
MTBF	22.26 years @ 25°C	
Dimensions		
Enclosure	10	
Dimensions (W x D x H)	430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.)	
Weight	6.17 kg (13.6 lbs.)	
Environment		
Operating / Storage	0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing)	
Power Requirements		
AC Input	110 - 240VAC, 50 - 60 Hz	
Power Supplies	single 150W power supply	
Power Consumption (Max)	71.6W	
Heat Dissipation (BTU/hr)	244.31	
Certifications	I	
Safety Emissions Environment	UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	
	Class B / RoHS, REACH, WEEE	

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.



1800 Security Gateway

- 1. SD card slot
- 2. 2x 2.5GbE ports
- 3. 16x 1GbE LAN switch
- 4. 1x 1GbE copper/fiber WAN2 (*future)
- 5. Console port
- 6. 1x 1GbE copper/fiber WAN1 port
- 7. 1x 10GbE copper/fiber DMZ port
- 8. 1x 1GbE Management port (*future)
- 9. 2x USB ports
- 10. 2x power supplies
- 11. Power on/off switch
- 12. Fans



Prevention Testing Conditions Threat Prevention (Mogs) 1 2,000 Nat Generation Firewall (Mbgs) 1 2,000 Prevention (Mbgs) 1 5,000 Firewall Throughput (Mbgs) 7,500 Prevention Firewall (Mbgs) 1 7,500 RT 2511, 2564, 247, 1222 Performance (LUC) 1 Frewall 1518 Byte UP Packets Mbgs 17,000 VPN AFS-128 Throughput (Mbgs) 4,000 Connections per Second 6,000 Connections per Second 2,400,000 Security Firewall USI Byte Markets Markets, 0:5, Application Control, URL Filtering, IPS, Anti-Bot, Antivirus, Anti-Span and SandBast Threat Emulation (sandbasing) Unicest, Multicast Reading 05PFv2, BDPv4 and 4+, RIP, IBMP Mode Cases License (User) 500 remote SNX or Modie VPN client ware severe more modical WAN2 support in future SW release DM2 Port 1x 100/1000Base-T RJ-45 / 100Base SFP ports functscover not includeed) LAN Switch Ports 2x 10/100/1000Base-T RJ-45 / 100Base SFP ports functscover not includeed) LAN Switch Ports 2x 10/100/1000Base-T RJ-45 / 100Base SFP ports functscover not includeed) LAN Switch Ports 2x 10/100/100Base-T RJ-45 ports Modie YN Client SW release DM2 Port <td< th=""><th></th><th>1900</th></td<>		1900		
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Hardware WAN Ports 2x 10/100/1000Base-T RJ-45 / 1000BaseF SFP ports [transceiver not included] *WAN2 support in future SW release DMZ Port 1x 106bE Base-T RJ-45 / 100bE SFP+ [transceiver not included] LAN Switch Ports 2x 2.56bE Base-T RJ-45 plus 16x 10/100/1000Base-T RJ-45 ports Management Port 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 2x USB 2 ont 1 x RJ-45 console port USB Ports 2x USB 3.0 ports Storage 256 GB SSD and Micro-SD slot with 32 and 64 GB card options eMMC 32 GB MTBF 15.64 years @ 256 C Dimensions 10 Dimensions [W x D x H] 430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.] Weight 6.76 kg [14.9 lbs.] Environment 0°C - 40°C / -45°C - 60°C [5-95%, non-condensing] Operating / Storage 0°C - 40°C / -45°C - 60°C [5-95%, non-condensing] Power Supplies 110 - 240VAC, 50 - 60 Hz]	Unicast, Multicast Routing	OSPFv2, BGPv4 and 4++, RIP, IGMP		
WAN Ports2x 10/100/1000Base-T RJ-45 / 1000BaseF SFP ports (transceiver not included) *WAN2 support in future SW releaseDMZ Port1x 100bE Base-T RJ-45 / 100bE SFP+ (transceiver not included)LAN Switch Ports2x 2.56bE Base-T RJ-45 plus 16x 10/100/1000Base-T RJ-45 portsManagement Port1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW releaseConsole Ports1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW releaseConsole Ports1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW releaseConsole Ports2x USB 3.0 portStorage256 GB SSD and Micro-SD slot with 32 and 64 GB card optionseMMC32 GBMTBF15.64 years (a 25°CDimensions10Dimensions (W x D x H)400 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.)Weight0°C - 40°C / -45°C - 60°C (5-95%, non-condensing)Power Requirements110 - 240VAC, 50 - 60 HzPower Supplies100 - 240VAC, 50 - 60 HzPower Supplies100 - 240VAC, 50 - 60 HzPower Supplies100 - 319.3Power Supplies100 - 319.3<	Mobile Access License (Users)	500 remote SNX or Mobile VPN client users		
DXP Port 1x 100bE Base-T RJ-45 // 100bE SFP+ (transceiver not included) LAN Switch Ports 2x 2.56bE Base-T RJ-45 plus 16x 10/100/1000Base-T RJ-45 ports Management Port 1x 10/100/1000Base-T RJ-45 prot *MGMT support in future SW release Console Ports 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 2x USB 3.0 ports Storage 256 GB SSD and Micro-SD slot with 32 and 64 GB card options eMMC 32 GB MTBF 15.64 years (d 25°C Dimensions 10 Dimensions (W x D x H) 430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.) Weight 6.76 kg (14.9 lbs.) Environment 0°C - 40°C / -45°C ~ 60°C (5-95%, non-condensing) Power Requirements 110 - 240VAC, 50 - 60 Hz AC Input 110 - 240VAC, 50 - 60 Hz Power Supplies 100 - 240VAC, 50 - 60 Hz Power Supplies 100 - 240VAC, 50 - 60 Hz Power Supplies 100 - 240VAC, 50 - 60 Hz Power Consumption (Max) 93.6W Heat Dissipation (BTU/hr) 319.3 Certifications 11/C-UL 62368-1 LBC / EMC, EMI EN55024, EM55032 Class B, VCCI, AS, NZS CISPR 32, LI CES 03, FCC: Part	Hardware			
LAN Switch Ports2x 2.56bE Base-T RJ-45 plus 16x 10/100/100Base-T RJ-45 portsManagement Port1 x 10/100/1000Base-T RJ-45 port *MGMT support in future SW releaseConsole Ports1 x USB-C and 1x RJ-45 console portUSB Ports2 x USB 3.0 portsStorage256 GB SSD and Micro-SD slot with 32 and 64 GB card optionseMMC32 GBMTBF15.64 years i@ 25°CDimensions10Dimensions (W x D x H)430 x 300 x 44.2 mm [16.93 x 11.8 x 1.74 in.]Weight6.76 kg [14.9 tbs.]Environment0°C - 40°C / -45°C - 60°C (5-95%, non-condensing)Power Requirements10Power Supplies100 - 240VAC, 50 - 60 HzPower Consumption (Max)93.6WPower Consumption (Max)93.6WHeat Dissipation (BTU/hr)319.3UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI ENS5032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	WAN Ports	2x 10/100/1000Base-T RJ-45 / 1000BaseF SFP ports (transceiver not included) *WAN2 support in future SW release		
Management Port 1x 10/100/1000Base-T RJ-45 port *MGMT support in future SW release Console Ports 1x USB-C and 1x RJ-45 console port USB Ports 2x USB 3.0 ports Storage 256 GB SSD and Micro-SD slot with 32 and 64 GB card options eMMC 32 GB MTBF 15.64 years fd 25°C Dimensions 10 Enclosure 10 Dimensions(W x D x H) 430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.) Weight 6.76 kg (14.9 lbs.) Environment 0°C - 40°C / -45°C - 60°C (5-95%, non-condensing) Power Requirements 110 - 240VAC, 50 - 60 Hz]. Power Supplies two redundant 150W power supplies Power Consumption (Max) 93.6W Heat Dissipation (BTU/hr) 319.3 Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	DMZ Port	1x 10GbE Base-T RJ-45 / 10GbE SFP+ (transceiver not included)		
Console Ports1x USB-C and 1x RJ-45 console portUSB Ports2x USB 3.0 portsStorage256 GB SSD and Micro-SD slot with 32 and 64 GB card optionseMMC32 GBMTBF15.64 years i@ 25°CDimensions10Enclosure10Dimensions (W x D x H)430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.)Weight6.76 kg (14.9 tbs.)Environment0°C - 40°C / -45°C - 60°C (5-95%, non-condensing)Power Requirements110 - 240VAC, 50 - 60 HzAC Input110 - 240VAC, 50 - 60 HzPower Suppliestwo redundant 150W power suppliesPower Consumption (Max)93.6WHeat Dissipation (BTU/hr)319.3CertificationsUL/c-UL 62368-1 (.EC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	LAN Switch Ports	2x 2.5GbE Base-T RJ-45 plus 16x 10/100/1000Base-T RJ-45 ports		
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MTBF 15.64 years @ 25°C Dimensions Enclosure 1U Enclosure 1U 1U Dimensions (W x D x H) 430 x 300 x 44.2 mm (16.93 x 11.8 x 1.74 in.) Weight 6.76 kg [14.9 lbs.] Environment 0°C ~ 40°C / -45°C ~ 60°C [5-95%, non-condensing] Power Requirements 0°C ~ 40°C / -45°C ~ 60°C [5-95%, non-condensing] Power Supplies 110 - 240VAC, 50 - 60 Hz Power Supplies two redundant 150W power supplies Power Consumption (Max) 93.6W Heat Dissipation (BTU/hr) 319.3 Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15		· ·		
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Power Consumption (Max) 93.6W Heat Dissipation (BTU/hr) 319.3 Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15 Safety Emissions Environment UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15		110 - 240VAC, 50 - 60 Hz		
Heat Dissipation (BTU/hr) 319.3 Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15 Safety Emissions Environment UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	Power Supplies	two redundant 150W power supplies		
Heat Dissipation (BTU/hr) 319.3 Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15 Safety Emissions Environment UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15	Power Consumption (Max)	93.6W		
Certifications UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15 Safety Emissions Environment	· · · · · · · · · · · · · · · · · · ·			
Safety Emissions Environment				
Safety Emissions Environment		UL/c-UL 62368-1, IEC 62368-1 CB / EMC, EMI EN55024, EN55032 Class B, VCCI, AS, NZS CISPR 32, IC ICES 03, FCC: Part 15		
	Safety Emissions Environment			

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.



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SECURITY GATEWAYS	
1600 Security Gateway	CPAP-SG1600-SNBT
1800 Security Gateway	CPAP-SG1800-SNBT

ACCESSORIES	
SFP Short range transceiver (for the DMZ/WAN 1000Base-F ports)	CPAC-1500-TR-1SX
SFP Long range transceiver (for the DMZ/WAN 1000Base-F ports)	CPAC-1500-TR-1LX
SFP+ Short range transceiver (for 1800 DMZ 10GBase-F port)	CPAC-1800-TR-10SR
SFP+ Long range transceiver (for 1800 DMZ 10GBase-F port)	CPAC-1800-TR-10LR
SD memory card 32 GB	CPAC-1500-32GB-SD
SD memory card 64 GB	CPAC-1500-64GB-SD

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¹ Add a NGFW, NGTP or NGTX subscription. Promotion bundles for 3 and 5 years include the security gateway, support and subscription package (see below). License includes support for SMP cloud management. ² Concurrent remote SNX or Mobile VPN client users. The MOB license is additive. The full Mobile Access web portal functionality is not supported.

3 and 5 Year Security Gateway, Support and Services Bundles

	NGFW	NGTP	SNBT
Security Gateway	✓	✓	✓
Premium Support (24 x 7 response, software upgrades and more)	✓	~	✓
PRO Support option (proactive health monitoring service)	✓	✓	✓
Firewall	✓	✓	✓
VPN	✓	~	✓
Mobile Access (includes 500 concurrent users)	✓	✓	✓
Application Control	✓	✓	✓
Intrusion Prevention System	✓	~	✓
URL Filtering		✓	✓
Antivirus and Anti-Bot		✓	✓
Threat Emulation (sandboxing)			~