

QUANTUM SPARK™ 1500 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 1500 security gateway family delivers enterprise-grade security in a series of simple and affordable, all-in-one security solutions to protect small business employees, networks and data from cyber-theft. 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.

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)



R81 Software for SMB Gateways

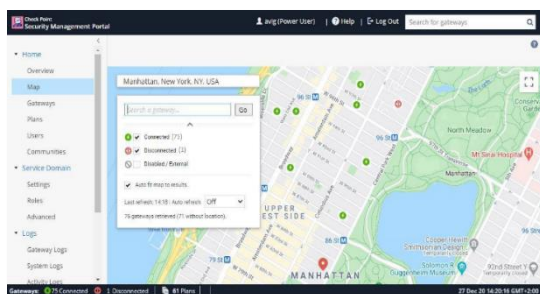
R81 software for SMB increases performance and brings enterprise-grade security to small and medium size businesses. Centrally managed SMB gateways support:

- Unified access policy: firewall, application control, URLF
- Policy layers and sub-policies
- Smart Acceleration of video, web conferencing and more
- Integrated IoT Protect network security

Wired, Wi-Fi, xDSL and Wi-Fi with 3/4G/LTE Models

LTE is an essential component of any enterprise wireless WAN, either as a primary or failover link connecting fixed remote sites or a mobile fleet of vehicles. The 1500 embedded 3/4G/LTE modem supports:

- CAT6
- Dual SIM: nano and micro
- LTE antennas: 1x main, 1x diversity
- Global coverage.



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.

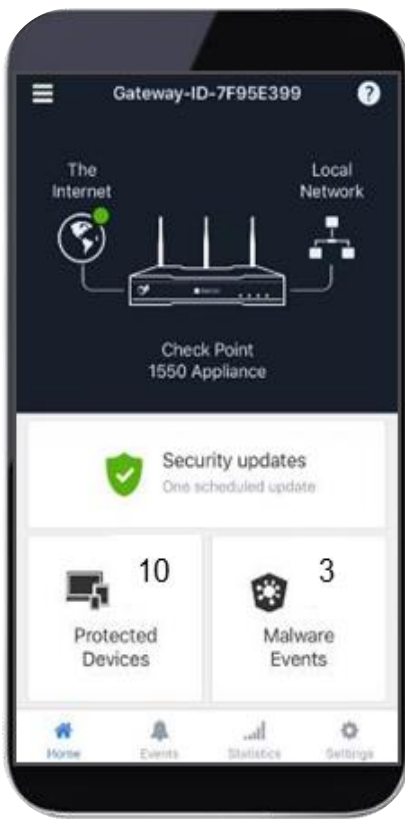
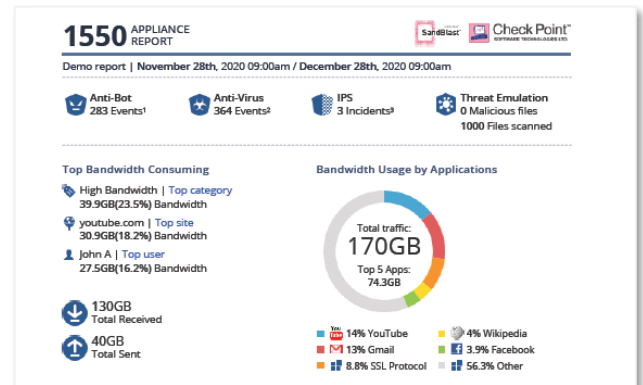
SPOTLIGHT

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 R81 Security Management.

Simple, Intuitive Reporting

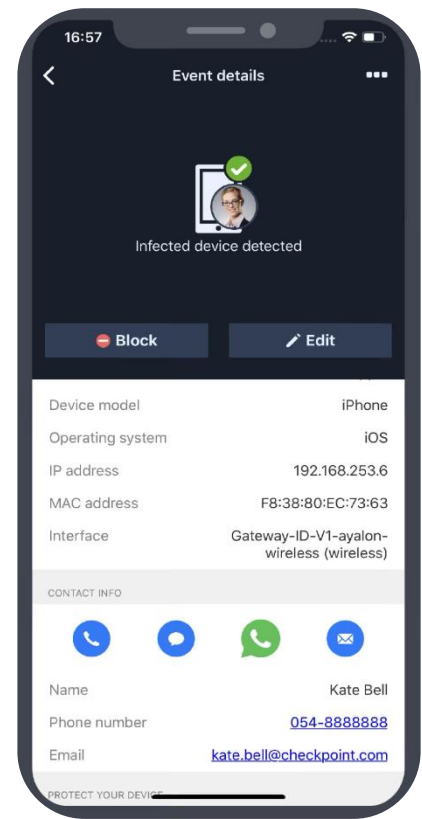
The web interface shows logs, active computers, and hourly, daily, weekly and monthly reports. In-network analysis find top applications and users consuming the most bandwidth. Security analysis shows users visiting high-risk sites and using high-risk applications, as well as any incidents or infected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



1530, 1550 (Wi-Fi model)

- 1 802.11n/ac Wi-Fi (optional)
- 2 USB port
- 3 5x 1GbE LAN switch
- 4 1x 1GbE WAN interface
- 5 Power button
- 6 USB-C Console port
- 7 12V power connector



	1530	1550
Enterprise Testing Conditions		
Threat Prevention with Smart Accel*	440 Mbps	585 Mbps
Threat Prevention ¹	340 Mbps	450 Mbps
Next Generation Firewall ²	600 Mbps	800 Mbps
IPS Throughput	670 Mbps	900 Mbps
Firewall Throughput	1,000 Mbps	1,000 Mbps
RFC 3511, 2544, 2647, 1242 Performance (LAB)		
Firewall 1518 Byte UDP Packets	2,000 Mbps	2,000 Mbps
VPN AES-128 Throughput	970 Mbps	1,300 Mbps
Connections per Second	10,500	14,000
Concurrent Connections	500,000	500,000
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	
Mobile Access License (Users)	100 remote SNX or Mobile VPN client users	
Hardware		
WAN Port	1x 10/100/1000Base-T RJ-45 port	
LAN Ports	5x 10/100/1000Base-T RJ-45 ports	
Wi-Fi (optional)	802.11 b/g/n/ac MIMO 3x3	
Radio Band (association rate)	One radio band non-concurrent: 2.4GHz (max 450 Mbps) or 5GHz (max 1,300 Mbps)	
Console Port	1x USB-C	
USB Port	1x USB 3.0	
Dimensions		
Enclosure	Desktop, wall mount	
Dimensions (W x D x H)	210 x 160 x 37.5 mm, 8.3 x 6.3 x 1.5 in.	
Weight	0.43 kg (0.95 lbs.)	
Environment		
Operating / Storage	0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing)	
Power Requirements		
AC Input	100 – 240VAC, 50 – 60 Hz	
Power Supply Rating	12V/3.3A 40W power adapter	
Power Consumption (Max)	17.92 (non-Wi-Fi); 21.95W (Wi-Fi)	
Heat Dissipation	61.11(non-Wi-Fi); 74.85(Wi-Fi)	

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.

* Smart Accel is available on release R81.10 and above. Smart Accel must be enabled on Web UI and is currently supported on devices managed via Web UI or SMP

1570, 1590 (Wi-Fi, DSL model)

- 1 802.11n/ac (Wi-Fi option)
- 2 8x 1GbE LAN switch
- 3 1x 1GbE copper/fiber DMZ port
- 4 1x 1GbE WAN port
- 5 USB 3.0 port
- 6 xDSL port
- 7 USB-C console port
- 8 12V power connector



	1570	1590
Enterprise Testing Conditions		
Threat Prevention with Smart Accel*	650 Mbps	860 Mbps
Threat Prevention ¹	500 Mbps	660 Mbps
Next Generation Firewall ²	970 Mbps	1,300 Mbps
IPS Throughput	1,050 Mbps	1,400 Mbps
Firewall Throughput	2,800 Mbps	2,800 Mbps
RFC 3511, 2544, 2647, 1242 Performance (LAB)		
Firewall 1518 Byte UDP Packets	6,400 Mbps	6,400 Mbps
VPN AES-128 Throughput	1,950 Mbps	2,600 Mbps
Connections per Second	15,750	21,000
Concurrent Connections	500,000	500,000
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	
Mobile Access License (Users)	200 remote SNX or Mobile VPN client users	
Hardware		
WAN Port	1x 10/100/1000Base-T RJ-45 port	
DMZ Port	1x 10/100/1000Base-T RJ-45 / 1x 1000BaseF SFP port (transceiver not included)	
LAN Ports	8x 10/100/1000Base-T RJ-45 ports	
xDSL Port (optional with Wi-Fi model)	1 x RJ11 ADSL2 (Annex A or B) and VDSL2 (up to 17a) port	
Wi-Fi (optional)	802.11 b/g/n and 802.11 n/ac wave II MIMO 4x4	
Radio Band (association rate)	Two radio bands concurrent: 2.4GHz (max 450 Mbps) and 5GHz (max 1,700 Mbps)	
3/4G/LTE (optional with Wi-Fi model)	3/4G/LTE Embedded modem, CAT6 with Main and Auxiliary antennas, Dual SIM (Nano and Micro)	
xDSL (optional with Wi-Fi model)	VDSL: G.993.1 (VDSL), G.993.2 (VDSL2), G.993.5 (VDSL2 Vectoring), G.998.4 (G.INP) VDSL2 profiles: 8a, 8b, 8c, 8d, 12a, 12b, a nd 17a ADSL: Annex A (POTS), Annex B (ISDN), G.992.1 (ADSL), G.992.3 (ADSL2), G.992.5 (ADSL2+), Annex M (ADSL2/2+) ,Annex L Reach-extended (ADSL2) Dying Gasp, DSL Forum TR-067, TR-100, TR-114 Conformity	
Console, USB ports	Console: 1x USB-C, USB1x USB 3.0:	
SD Card Slot	Micro-SD slot	
Dimensions		
Dimensions (W x D x H)	Desktop form factor: 210 x 170 x 42 mm, 8.3 x 6.7 x 1.7 in.	
Weight	0.87 kg (1.9 lbs.)	
Environment		
Operating / Storage	0°C ~ 40°C / -45°C ~ 60°C (5~95%, non-condensing)	
Power Requirements		
AC Input	100 – 240VAC, 50 – 60 Hz	
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-LTE), 37.26W (Wi-Fi-DSL)	
Heat Dissipation (BTU/hr)	88.75 (non-Wi-Fi); 106.73 (Wi-Fi), 121.13 (Wi-Fi-LTE); 127.14 (Wi-Fi-DSL)	

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

SPECIFICATIONS (Continued)

CERTIFICATIONS	
1530, 1550	
Safety	CB 62368-1, CE, CE 62368-1, UL 62638-1, CB 60950-1
Emissions	FCC IC Class B, CE LVD, VCCI, AS/NZS RCM EMC
Environment	RoHS, REACH, WEEE
1570, 1590	
Safety	CB 62368-1, CE, CE 62368-1, UL 62638-1
Emissions	FCC IC Class B, VCCI, AS/NZS RCM EMC
Environment	RoHS, REACH, WEEE
Cellular ¹	PTCRB, GCF and Carriers AT&T and Verizon certified

1. 1570 and 1590 models with embedded cellular modem

ORDERING QUANTUM SPARK 1500

SECURITY APPLIANCES ¹	
1530 Security Appliance	CPAP-SG1530
1530 Wi-Fi Security Appliance	CPAP-SG1530W-xx
1550 Security Appliance	CPAP-SG1550
1550 Wi-Fi Security Appliance	CPAP-SG1550W-xx
1570 Security Appliance	CPAP-SG1570
1570 Wi-Fi Security Appliance	CPAP-SG1570W-xx
1570 Wi-Fi and xDSL Security Appliance	CPAP-SG1570WDSL-xx
1570 Wi-Fi and LTE Security Appliance	CPAP-SG1570WLTE-xx
1590 Security Appliance	CPAP-SG1590
1590 Wi-Fi Security Appliance	CPAP-SG1590W-xx
1590 Wi-Fi and xDSL Security Appliance	CPAP-SG1590WDSL-xx
1590 Wi-Fi and LTE Security Appliance	CPAP-SG1590WLTE-xx
WI-FI REGIONS (replace –xx in the SKU to specify the Wi-Fi region)	
USA, Canada	change –xx to -US
Europe	change –xx to -EU
Japan	change –xx to -JP
Australia, Argentina	change –xx to -AU
Israel	change –xx to -IL
China	change –xx to -CN
India, Chile	change –xx to -IN
New Zealand	change –xx to -NZ
Latin America, Singapore, Hong Kong, Thailand, Sri-Lanka	change –xx to -LA
ACCESSORIES	
SFP Short range transceiver (for the DMZ 1000BaseF port)	CPAC-TR-1SX
SFP Long range transceiver (for the DMZ 1000BaseF port)	CPAC-TR-1LX
VDSL2 SFP transceiver for 1570 and 1590 Wi-Fi-LTE model with RJ45 to RJ11 cable	CPAC-1500-TR-DSL
VDSL2 SFP transceiver for 1570 and 1590 Wi-Fi-LTE model with RJ45 to TAE cable	CPAC-1500-TR-DSL-B
SD memory card 32 GB	CPAC-1500-32GB-SD
SD memory card 64 GB	CPAC-1500-64GB-SD
Replacement Wi-Fi Antenna	CPAC-1500-WIFI-ANTENNA
Replacement LTE Antenna	CPAC-1590-LTE-ANTENNA
Replacement 40W AC Power Supply for 1550 and 1590 Wired	CPAC-1550-PSU
Replacement 60W AC Power Supply for 1570 and 1590 Wi-Fi and Wi-Fi-LTE	CPAC-1590-PSU
Rack Mount kit for the 1500	CPAC-1500/3600-RM-DUAL

¹ Add a NGFW, NGTP or NGTX subscription. Promotion bundles for 3 and 5 years include the security appliance, support and subscription package (see below). License includes SMP cloud management.

ORDERING QUANTUM SPARK 1500 (Continued)

ADDITIONAL SOFTWARE BLADES ²	
Mobile Access Blade for 50 concurrent connections	CPSB-MOB-50
Quantum IoT Protect for 1 year for 1530, 1550, 1570, 1590 firewalls	CPSB-IOTP-15x0-1Y
Quantum SD-WAN for 1 year for 1530, 1550, 1570, 1590 firewalls	CPSB-SDWAN-15x0-1Y

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 Appliance, Support and Services Bundles

	NGFW	NGTP	SNBT
Security Appliance (wired, Wi-Fi or Wi-Fi with xDSL or embedded LTE)	✓	✓	✓
Premium Support (24 x 7 response, software upgrades and more)	✓	✓	✓
PRO Support option (proactive health monitoring service)	✓	✓	✓
Firewall	✓	✓	✓
VPN	✓	✓	✓
Mobile Access (includes 100 concurrent users in the 1530, 1550 or 200 in the 1570, 1590)	✓	✓	✓
Application Control	✓	✓	✓
Intrusion Prevention System	✓	✓	✓
URL Filtering		✓	✓
Antivirus and Anti-Bot		✓	✓
Anti-Spam and Email Security		✓	✓
DNS Security		✓	✓
Threat Emulation (sandboxing)			✓
IoT Network protection for SMBs*			✓
SD-WAN network optimization for SMBs*	✓	✓	✓
IoT network protection for enterprises**	Optional	Optional	Optional
SD-WAN network optimization for enterprises**	Optional	Optional	Optional

* Starting from release R81.10.10. and supported on Web UI and Spark Management only

** Supported on Smart-1 only