CHECK POINT™

30 July 2023

QUANTUM SPARK 1575R APPLIANCE

Administration Guide

HORIZON QUANTUM CLOUDGUARD HARMONY

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Check Point Quantum Spark 1575R Appliance Administration Guide

For more about this release, see the home page.

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Feedback

Check Point is engaged in a continuous effort to improve its documentation.
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Revision History

Date	Description
30 July 2023	First release of this document

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Introduction

Thank you for choosing Check Point's Internet Security Product Suite. Check Point products provide your business with the most up to date and secure solutions available today.

Check Point also delivers worldwide technical services including educational, professional, and support services through a network of Authorized Training Centers, Certified Support Partners, and Check Point technical support personnel to ensure that you get the most out of your security investment.

For configuration instructions, see the:

- *Quantum Spark Appliances Release Notes* for your version.
- *Quantum Spark Appliances Locally Managed Administration Guide* for your version.
- *Quantum Spark Appliances Centrally Managed Administration Guide* for your version.

For more technical information, go to *Check Point Support Center*.

The Quantum Spark 1575R Appliance

The Quantum Spark 1575R is the rugged member of the 1500 Security Appliance family that delivers enterprise-grade security in a series of simple and affordable, all-in-one Security Gateways to protect branch office employees, networks and data from cyber-theft. These security appliances include a comprehensive security suite and the latest R81 software for SMB appliances.

The Quantum Spark 1575R Next Generation Firewall (NGFW) secures Critical Infrastructure and Industrial Control Systems (ICS) without impacting operations. Over 70 standard and proprietary protocols identify and secure SCADA (Supervisory Control and Data Acquisition) and ICS equipment. This includes the most popular protocols used in Utilities and Energy sectors, Manufacturing sectors, Building Management Systems and IoT (Internet of Things) devices.

Features

- Fanless, Aluminum-based design
- Wired and WiFi + LTE
- Connectivity
  - LAN: 8x1GbE
  - WAN: 1x1GbE / SFP port
  - DMZ: 1x1GbE / SFP port
  - Supports Flexiport (LAN port can operate as WAN)
- Embedded CAT6 3/4G/LTE cellular modem
  - Worldwide LTE coverage
  - Two external antennas (Main and Aux) to allow the best RF signal and coverage
  - Dual SIM (Nano and Micro) functionality is supported to enable automatic fail over between SIMs
- Embedded 3x3 WiFi modem, Dual band non-concurrent 802.11ax
- Serial port (DB9 female connector), supports serial protocols RS232, RS422, R485 (SW-configurable) for end point PLC control.
- Two power sources
  - Power adapter (12V, 40W Commercial grade and 120W Industrial -40 to 70 degree C grade)

    Please follow the SKU options in the catalog.
  - 3-Pin terminal block, 12V-60VDC and -48VDC, supplied by the customer's power infrastructure
  - Power redundancy (when the two above are connected)
- Desktop, Wall mount and DIN rail (2 types of assembly - rear and bottom)
- USB Type-C console port
- USB 3.0 Port
- SD Card support

- ICS/SCADA Protocol Support

  BACNet, CIP, DNP3, IEC-60870-5-104, IEC 60870-6 (ICCP), IEC 61850, MMS, ModBus, OPC DA & UA, Profinet, Step7 (Siemens) and more; 1400+ in all.

  See the full list at appwiki.checkpoint.com.
- Wi-Fi Cryptography: supports WPA (TKIP 128 bit) and WPA2 (AES, 128/256 bit)
- 3/4G/LTE Cryptography: supports NAS/AS security procedures and Snow 3G/AES/ZUC security
- Certified to operate in harsh conditions
  - Industrial: IEEE 1613 , IEC 61850-3 , IEC 60945, EN/IEC 60529, heat and immunity to electromagnetic interference
  - Rugged: EN/IEC 60529 , IEC 60068-2-27 shock, IEC 60068-2-6 vibration
  - Operating Temperature Range: -40ºC ~ 75ºC (-40ºF ~ 167ºF)
  - IP (Ingress Protection) Rating: IP30

Maritime

Certification: IEC-60945 B, IACS E10:1991 , DNV-GL 2.4 , DNV-GL-CG-0339, IEC 61162-460

- Marine application: rated voltage 24 VDC, 12 VDC power input connector is not applicable.
- Wall mount (for marine application).
- Operating ranges -40~70 deg. C for marine application.

Shipping Carton Contents

Item	Quantity	Description
Appliance	1	Quantum Spark 1575R Appliance.
LAN cable	1	1.8m - RJ45 to RJ45, CAT5e, shielded, STP, black color.
Console cable	1	1m, USB type-C to USB-2.0 type-A, black color.
Rubber feet	4	Not assembled on the appliance.
Terminal block connector	1	Terminal block connector for external DC Mains connection (customer's power infrastructure)
AC to DC industrial power supply	1	CPAC-1575R/1595R-PSU
Wall mount kit	1 2 2	Includes drilling hole location sticker. Screws: M4x6, truss screw. Screw anchors.
DIN rail kit	1	DIN rail adapter + 4 screws.
SIM pin (WiFi-LTE model only)	1	SIM slot pin
Antenna (WiFi-LTE model only)	3 2	WiFi Antenna (RP-SMA connector, black color). LTE Antenna (RP-SMA connector, black color).
Guides	1 1	*Quantum Spark 1575R Appliance Quick Start Guide*. *SIM Installation Guide* (for WiFi-LTE model only)
License Agreement	1	End user license agreement.

Connecting the Cables

1. Connect the power supply unit to the appliance and to a power outlet.

   The appliance is turned on when the power supply is connected.

2. When the appliance is turned on, the Power LED on the front panel lights up in red for a short period.

   The LED then turns blue and starts to blink. This shows a boot is in progress and firmware is being installed.

   When the LED turns a solid blue, the appliance is ready for login.

   Note - The LED is red if there is an alert or error.

3. Connect the standard network cable to the LAN1 port and to the network adapter on your PC.
4. **If you use an external modem:**

   Connect the Ethernet cable to the WAN port on the appliance back panel and plug it into your external modem or router's PC/LAN network port. The Internet LED on the appliance front panel lights up when the Ethernet is connected.

Note - Wait 10 seconds between power cycles (off and on).

Setting up the 1575R Appliance

1. Remove the Quantum Spark 1575R appliance from the shipping carton and place it on a tabletop.

   For other mounting options, see below.

2. Identify the network interface marked as LAN1. This interface is pre-configured with the IP address `192.168.1.1`.

Using the default SSID for a WiFi connection:

Note - This option is only available:

- When connecting the appliance for the first time and the First Time Configuration Wizard did not yet run.
- For one hour.

1. Connect the appliance cable and the WAN cable.
2. Use the SSID and password printed on the appliance sticker to connect to WiFi.

   Note - Skip this step if you are connecting through LAN.

3. Browse to default gateway IP address: https://192.168.1.1:4434

   The **Welcome** screen of the First Time Configuration Wizard appears.

4. Click **Fetch Settings from the Cloud**.
5. In the new window, click **Yes** to confirm that you want to proceed.
6. The **Internet connection** page of the First Time Configuration Wizard
7. From the **Connection type** drop-down menu, select **Static IP**.
8. Click **Connect**.

   The One Touch status bar is running.

Note - If you were connected to WiFi: After the One Touch script finishes running, the WiFi network you were connected to is deleted. As a result, you are disconnected from the appliance.

Mounting Options

- Desktop - No special hardware or mounting instructions necessary. Assemble the 4 rubber feet (as part of the box accessory kit) on the marked locations on the bottom side of the 1575R Appliance.
- DIN rail kit (complies with IEC61850-3 class 0) as part of the box accessory kit - Attaches to either back panel (for 1575R Wired) or bottom panel (for 1575R Wired and Wired-LTE).

  The DIN rail is supported on the bottom side for both flavors and on the rear side for the 1575R wired flavor.

- Wall mount - Attached from bottom panel. Use the sticker included in the box and the 2 screws and anchors. (as part of the box accessory kit).

- Wall mount brackets (comply with IEC60068-2-27, severity level 30g/11ms, IEC61850-3 Class 2) - 2 side brackets from the bottom side of the 1575R (Wired and WiFi-LTE). It is sold separately as a FRU.

  Note - For Maritime installations, use only the wall mount brackets.

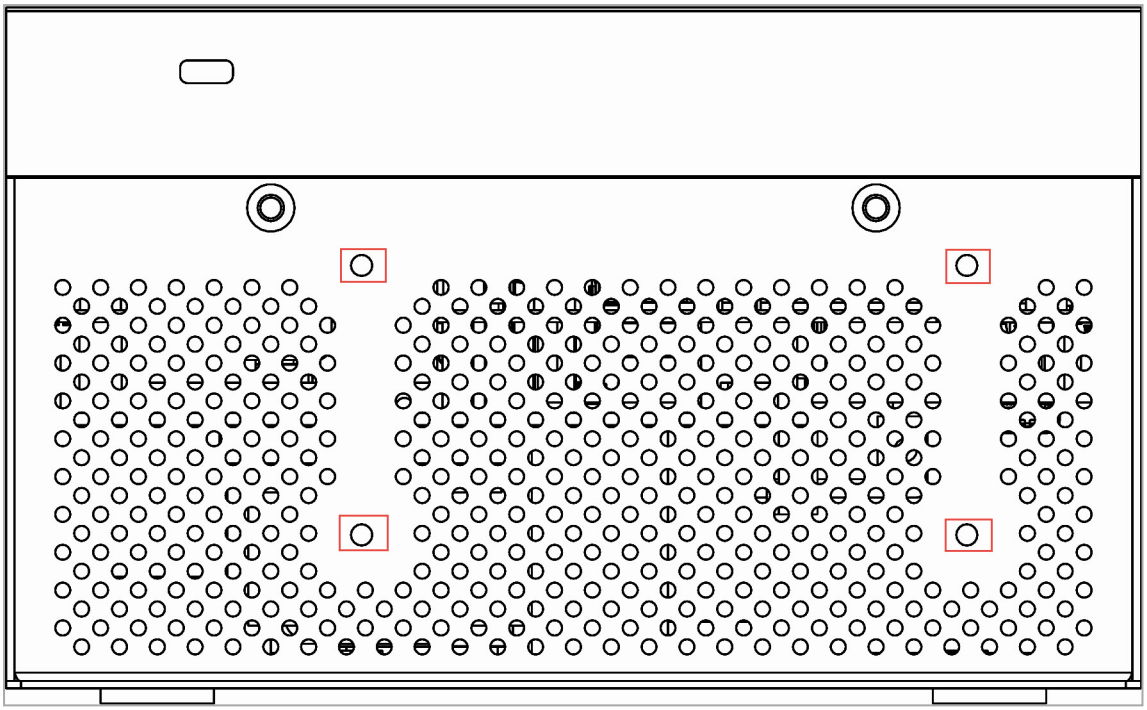
This table presents the dimensions of the 1575R Appliance with the DIN adapter of the Wired and Wireless. Use this to design the required space for the appliance.

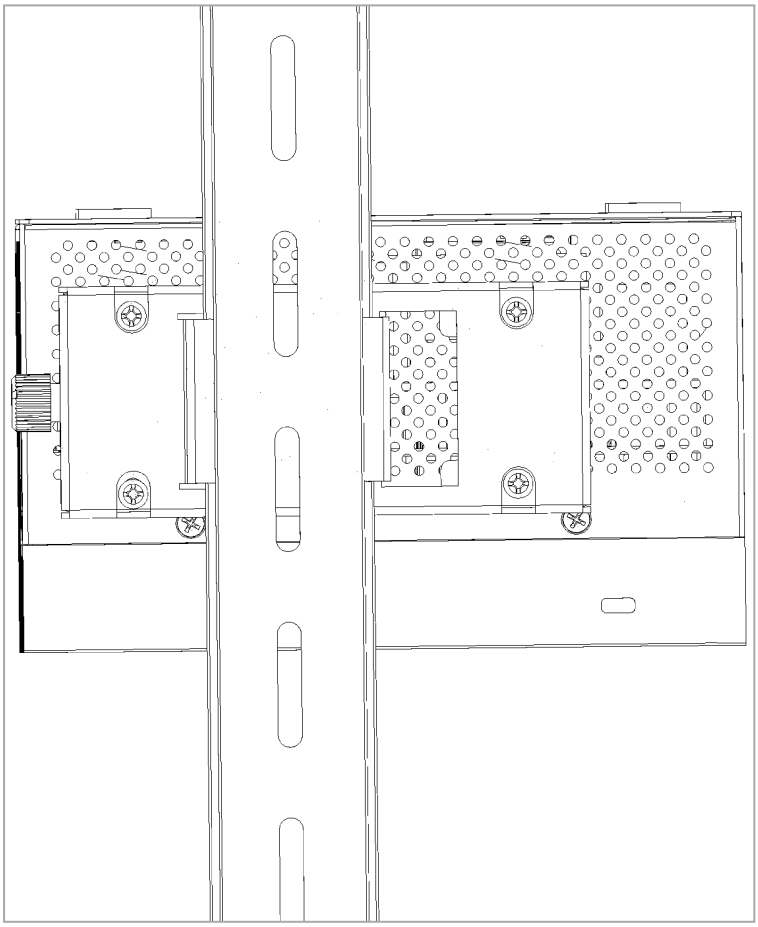
	Flavor	Height (mm)	Width (mm)	Depth (mm)	Notes
1575R	Wired	90	150	150	Without rubber feet
1575R with rear DIN adapter		90	150	168	
1575R with bottom DIN adapter		108	150	150	
1575WLE with rear DIN adapter	WiFi-LTE	177	150	225	Includes the LTE and WiFi antennas. For that setup, a middle-part adapter is required between the DIN adapter and the 1575R Appliance.
1575WLE with bottom DIN adapter		195	150	225	Includes the LTE and WiFi antennas.

To mount the appliance using the DIN rail kit:

Attach the DIN rail kit with the 4 M3 screws which came in the box. Depending on the model, the DIN rail mount holes are located on the back panel or bottom panel or both.

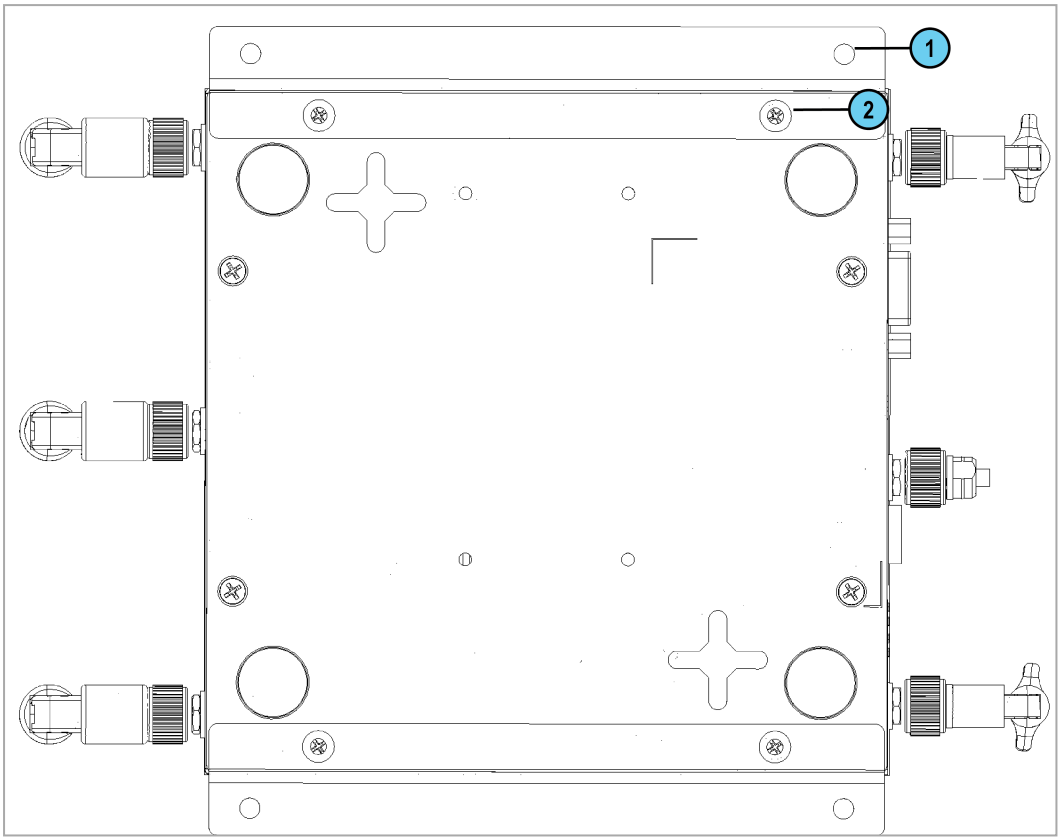
Back panel

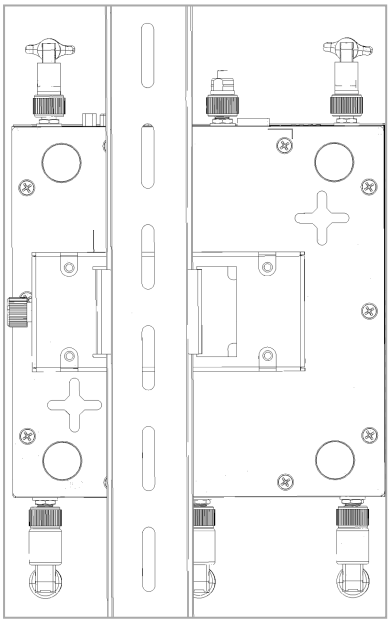




Bottom of the appliance

In the 1575R WiFi-LTE model, use the DIN rail mount holes located on the bottom panel:



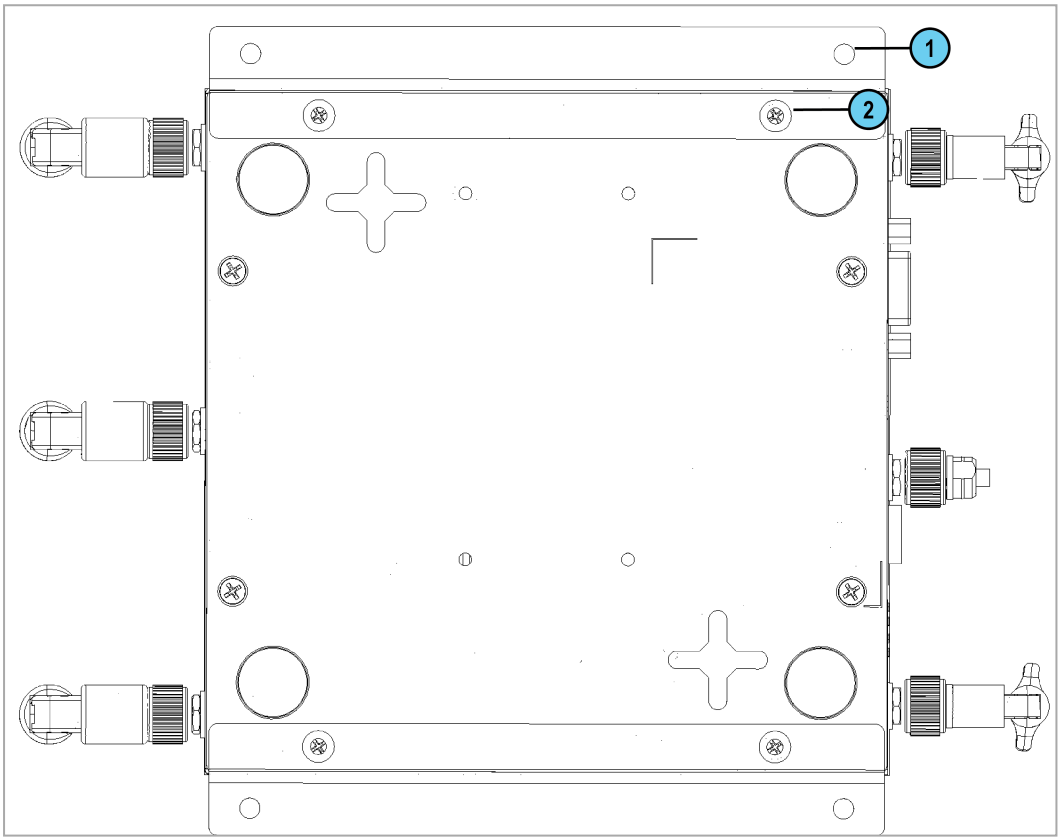


To mount the appliance to the wall (standard):

1. Place the wall-mount sticker on the wall and drill two holes for the screws.
2. Insert the screw anchors into the wall.
3. Attach the 2 screws in the accessory kit (M4*6) to the wall.
4. Mount the appliance and verify the 2 screws are fastened well to the appliance.

To mount the appliance to the wall (side brackets):

The side wall mount brackets are not part of the kit and are sold separately as an FRU.

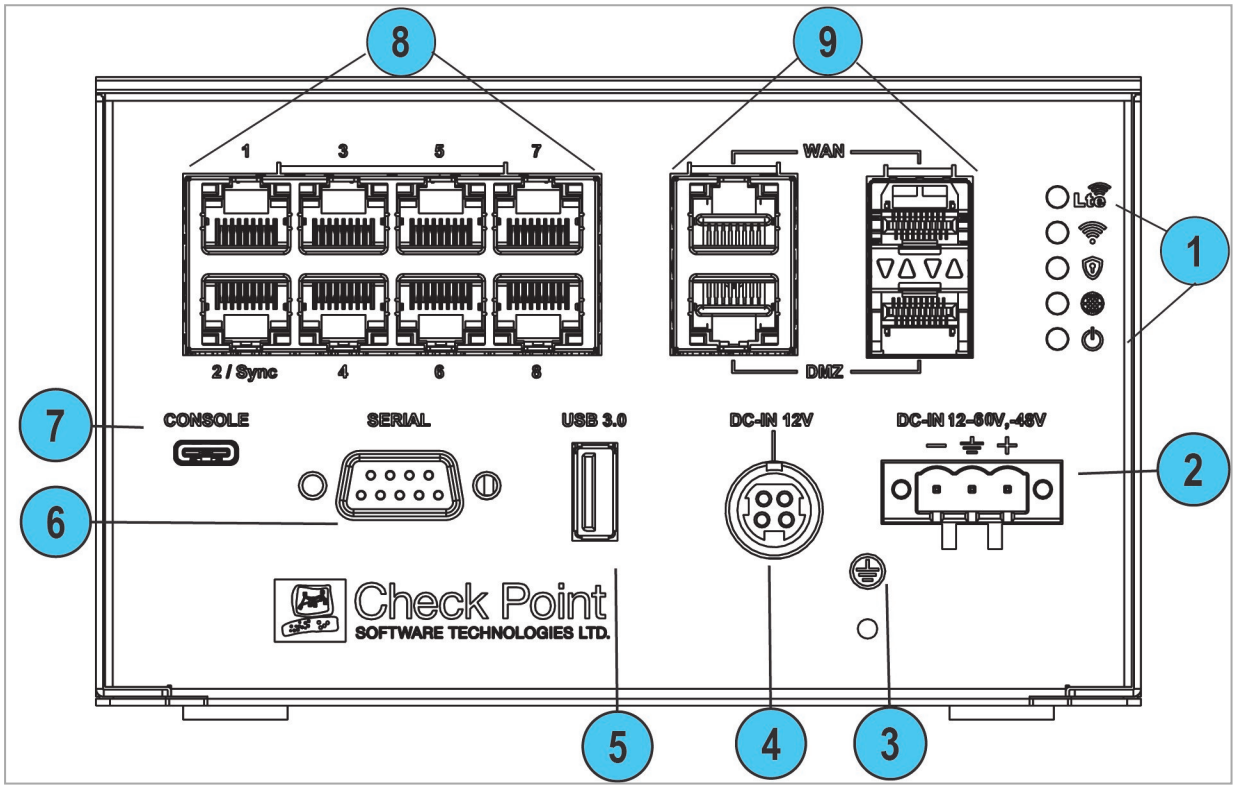


1. Attach each bracket to the side of the 1575R appliance. Use 2 screws for each bracket. (#2 on the diagram)
2. Use the holes on the bracket (#1 on the diagram) to mark the screw placement on the wall or surface. Insert a screw through each hole and make sure the appliance is securely fastened.

Using DC Power

To use the DC terminal block:

1. Insert the positive and negative wires into the V+ V- and ground (middle) contacts on the terminal block connector.
2. Tighten the wire-clamps screws to prevent the DC wires coming loose.
3. Fasten the 2 side screws of the terminal block connector.



Before wiring the device, make sure that:

- The terminal block is suitable for 14 AWG (6A). Torque value is 0.60 Newton/meter (5 Pound/inch).
- The cross sectional area of the earthing conductors should be at least 14AWG.
- The temperature rating of the input connection cable should be higher than 95°C.
- The product supports two power inputs:
    - External power adapter (AC-to-DC) delivered by Check Point separately (commercial with Tma 40°C or industrial grade with Tma 70°C), as DC source.

- 3 pin terminal block connector, connected the customer's infrastructure power source, with the following:
  - Nominal: from 12 to 60VDC, -48VDC, as DC Mains
  - Tolerances: -15% for 12VDC, and +20% for 60VDC
  - Maximum Range: from 12 to 72VDC, as DC Source

- Based upon the product specification provided by the manufacturer, this unit is intended to be supplied by an UL Listed power supply suitable for use at Tma 75°C, altitude 5000m, and these voltage and current:
  - For V-81WLR series: 12VDC-60VDC, -48VDC, 2.3A
  - For V-81R series: 12VDC-60VDC, -48VDC, 2.1A

  Contact Check Point for more information or if you require further assistance.

-48VDC Powering

1. To power the 1575R appliance with -48VDC supply, you need a special power source/supply, such as Delta DPS1800-48/30.
2. Connect the power supply "**+**" pole to the 1575R "**+**" pole.
3. Connect the power supply "**-**" pole to the 1575R "**-**" pole.

Power sub-station

To comply with the power sub-station certification (IEEE 1613 and IEC 61850-3), you must connect both power inputs for power redundancy.

To connect DC power to the equipment:

1. Turn OFF all power sources and equipment that will be attached to this appliance.
2. Connect protective earthing first, with at least 14 AWG G/Y color PE conductor, diameter 4.0mm min., screw type PE terminal, and a Spring/Star washer to provide satisfactory locking.
3. Attach signal cables to the appliance.
4. Attach the power cords to the appliance.

   For DC systems, make sure the polarity is 12-60VDC, or -48VDC connections.
5. Attach the signal cables to other devices.
6. Connect the power cords to their sources.
7. Turn ON all the power sources.

To disconnect DC power from the equipment:

1. Turn OFF all power sources and equipment that are attached to this appliance.

   Disconnect DC power sources at the breaker panel or by turning off the power source. Then remove the DC cables.
2. Remove the signal cables from the connectors.
3. Remove the protective earthing conductor from the devices.

Tolerance

This equipment is intended for power supplied by DC mains.

- The product supports 10.2VDC~72VDC, but with no power input tolerance.

  Make sure the product is connected with a power supply of output voltage lower than 72VDC. A UPS, battery or power regulator is recommended.

- If the power supply cannot provide stable voltage, we recommend to select lower voltage like 48VDC to prevent damage due to over voltage.

Field Wiring for DC Mains

Only trained service personnel are authorized to install and remove the 12VDC-60VDC Mains or the power adapter AC2DC, and make the connections to and disconnections from the 12VDC-60VDC Mains.

The customer is responsible for ensuring that only trained service personnel install or remove the 12VDC-60VDC power cable.

Safety Statement

Caution

To reduce the risk of electric shock or energy hazards:

- It is the customer's responsibility to supply the necessary power cable.
- Use a circuit breaker that is rated at 20 amps.
- Use one of these wires with a minimal temperature rating of 90°C:
  - 1.5 mm^2 (14 AWG) single copper wire
  - 1.5 mm^2 (14 AWG) multi-core copper
- Strip the wire, and leave the bare lead approximately 10mm for terminals connection.
- Torque the wiring-terminal screws to 0.60 Newton/meter (5 Pound/inch).
- Wire strip length is 4-4 mm.
- For supply connections, use wires with a minimal temperature rating of 90°C.
- If the power source requires ring terminals, you must use a crimping tool to install the ring terminals to the power cord wires.

  The ring terminals must be UL approved and must accommodate the wire that is described above.

This equipment is designed to permit the connection the earthed conductor of the DC supply circuit to the earthed conductor at the equipment. If this connection is made, all of the following conditions must be met:

- This equipment shall be connected directly to the DC supply system earthed electrode conductor or to a bonding jumper from an earthing terminal bar or bus, to which the DC supply system earthed electrode conductor is connected.
- This equipment shall be located in the same immediate area (such as, adjacent cabinets) as any other equipment that has a connection between the earthed conductor of the same DC supply circuit and the earthed conductor, and also the point of earthed of the DC system. The DC system shall not be earthed elsewhere.
- The DC supply source shall be located within the same premises as this equipment.

- Switching or disconnecting devices shall not be in the earthed circuit conductor between the DC source and the point of connection of the earthed electrode conductor.

Danger

Electrical current from power, telephone, and communication cables is hazardous.

To avoid a shock hazard:

- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- Connect all power cords to properly wired sources.
- Connect to properly wired power sources any equipment that will be attached to this product.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Disconnect the attached DC power sources before you open the device covers, unless you are instructed otherwise in the installation and configuration procedures.
- Connect and disconnect cables as described when you install, move, or open covers on this product or attached devices.

CAUTION:

Wiring methods used for the connection of the equipment to the DC mains supply are accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, CSA C22.1.

CAUTION:

This equipment has a connection between the earthed conductor of the DC supply circuit and the earthing conductor. See installation instructions.

This equipment has a connection between the earthed conductor of the DC supply circuit and the earthing conductor. All of the following installation conditions must be met:

- This equipment shall be connected directly to the DC supply system earthing electrode conductor or to a bonding jumper from an earthing terminal bar or bus to which the DC supply system earthing electrode conductor is connected.
- This equipment shall be located in the same immediate area (such as adjacent cabinets) as any other equipment that has a connection between the earthed conductor of the same DC supply circuit and the earthing conductor, and also the point of earthing of the DC system. The DC system shall not be earthed elsewhere.
- The DC supply source shall be located within the same premises as this equipment.
- Switching or disconnecting devices shall not be in the earthed circuit conductor between the DC source and the point of the connection of the earthing electrode conductor.

Installation manual of field wiring for DC Power connected

Attention: This equipment must be installed and removed by trained skilled person in a restricted-access location, as defined by the NEC and IEC 62368-1/IEC 60950-1, The Standard for Safety of Audio/video, information and communication technology equipment.

First Time Deployment Options

These are the different options for the first time deployment of your gateways:

- *Using the First Time Configuration Wizard*
- *Zero Touch Cloud Service*
- *USB Drive or SD Card*

3G/4G/LTE

The 1575R Cellular CPAP- SG1595WLTE* supports these features:

*The suffix defines the country/region.

- Embedded modem that supports LTE/4G connectivity and with fallback to 3G networks.
- Worldwide LTE/4G coverage with a single product.
- Dual SIM functionality is supported to enable automatic fail over between SIMs.
- 4G supports Cat-13 and 3G supports DC-HSPA+ and WCDMA (no 2G support).

Two external antennas (RP-SMA type, Main, and AUX) to allow the best RF signal and coverage.

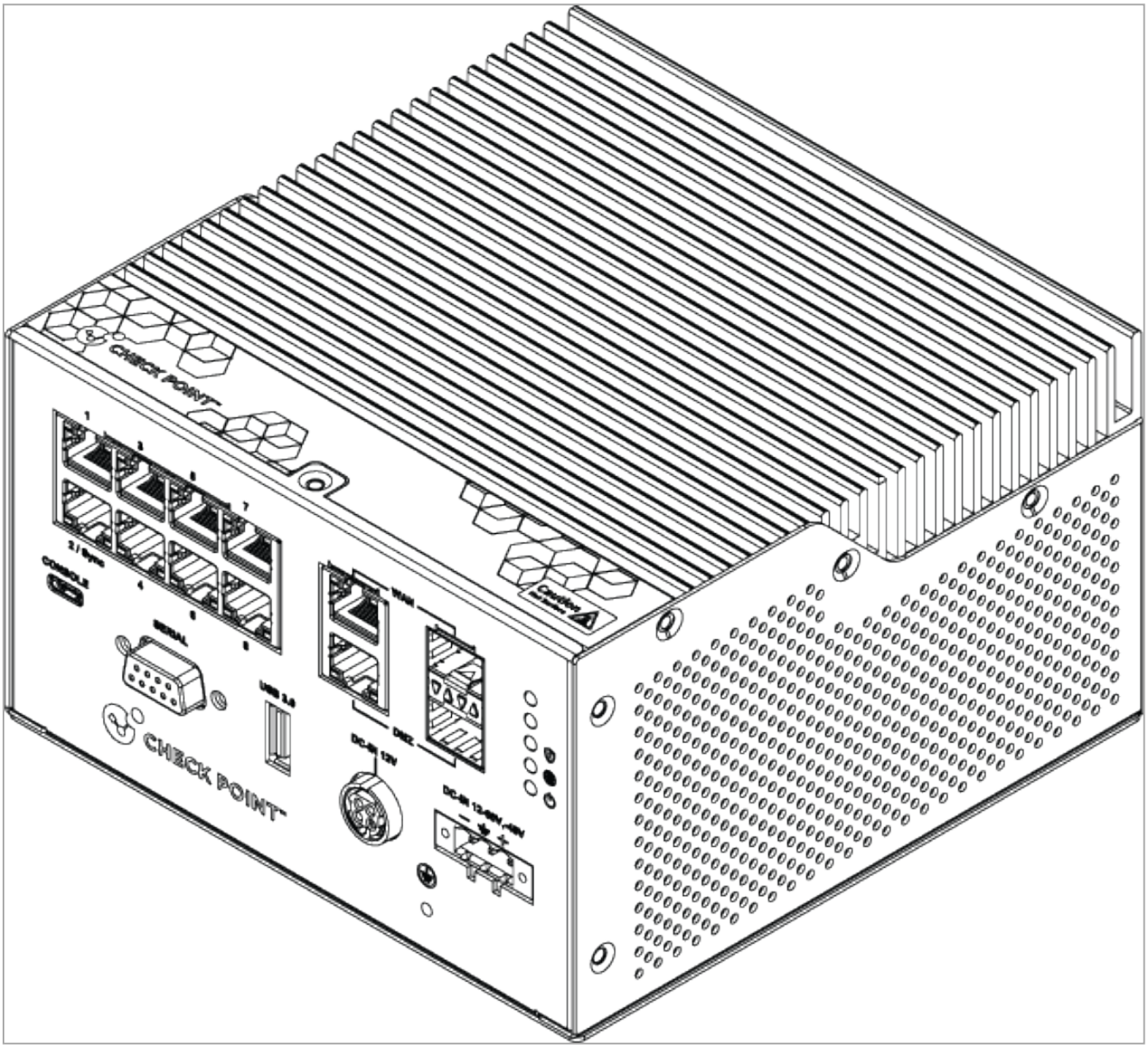
Appliance Diagrams and Specifications

This section describes the different features in the front, back, and side panels of these 1575R models:

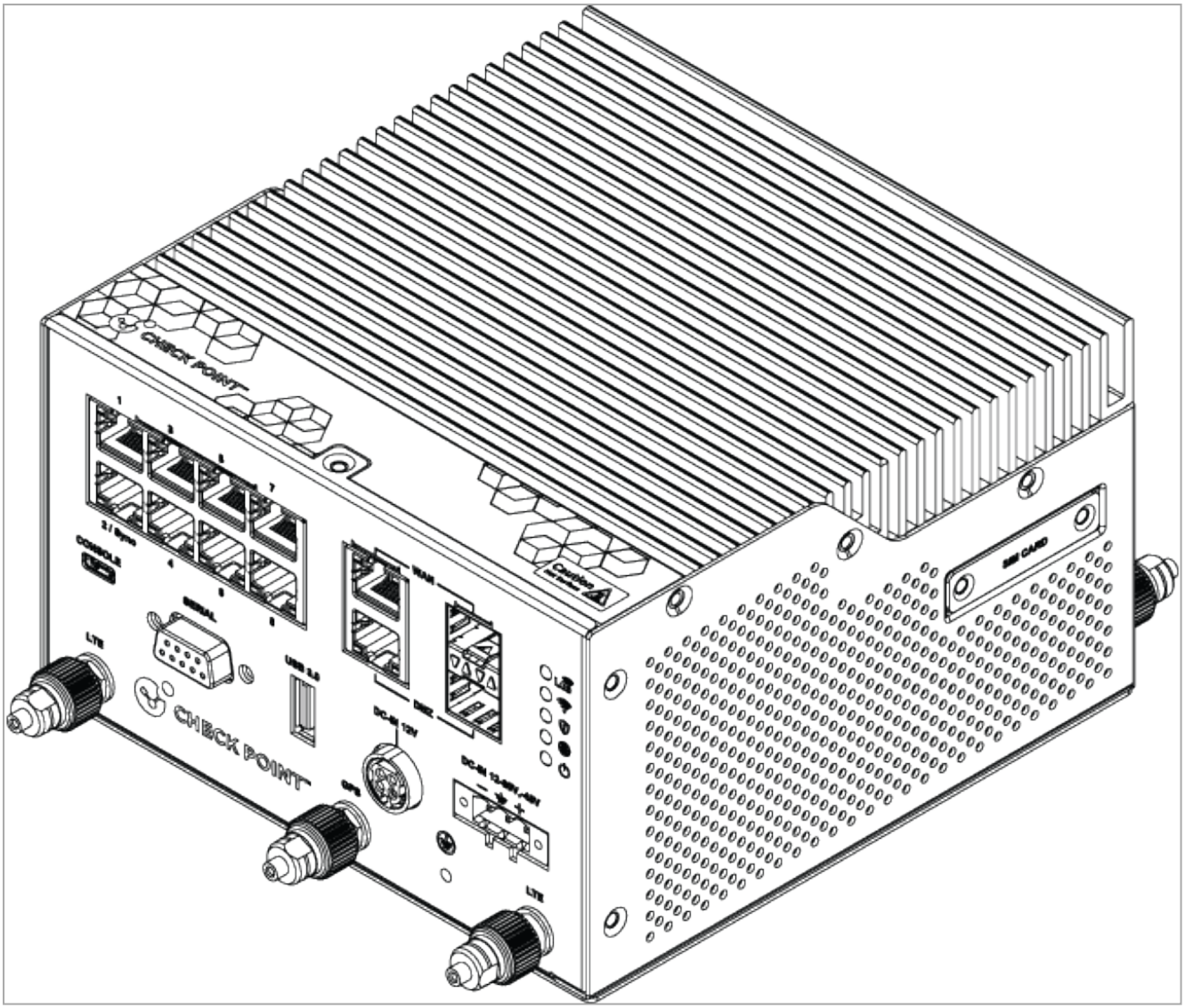
- Wired
- WiFi-LTE

Note - Depending on which model appliance you have, some of the specifications below may vary.

Wired

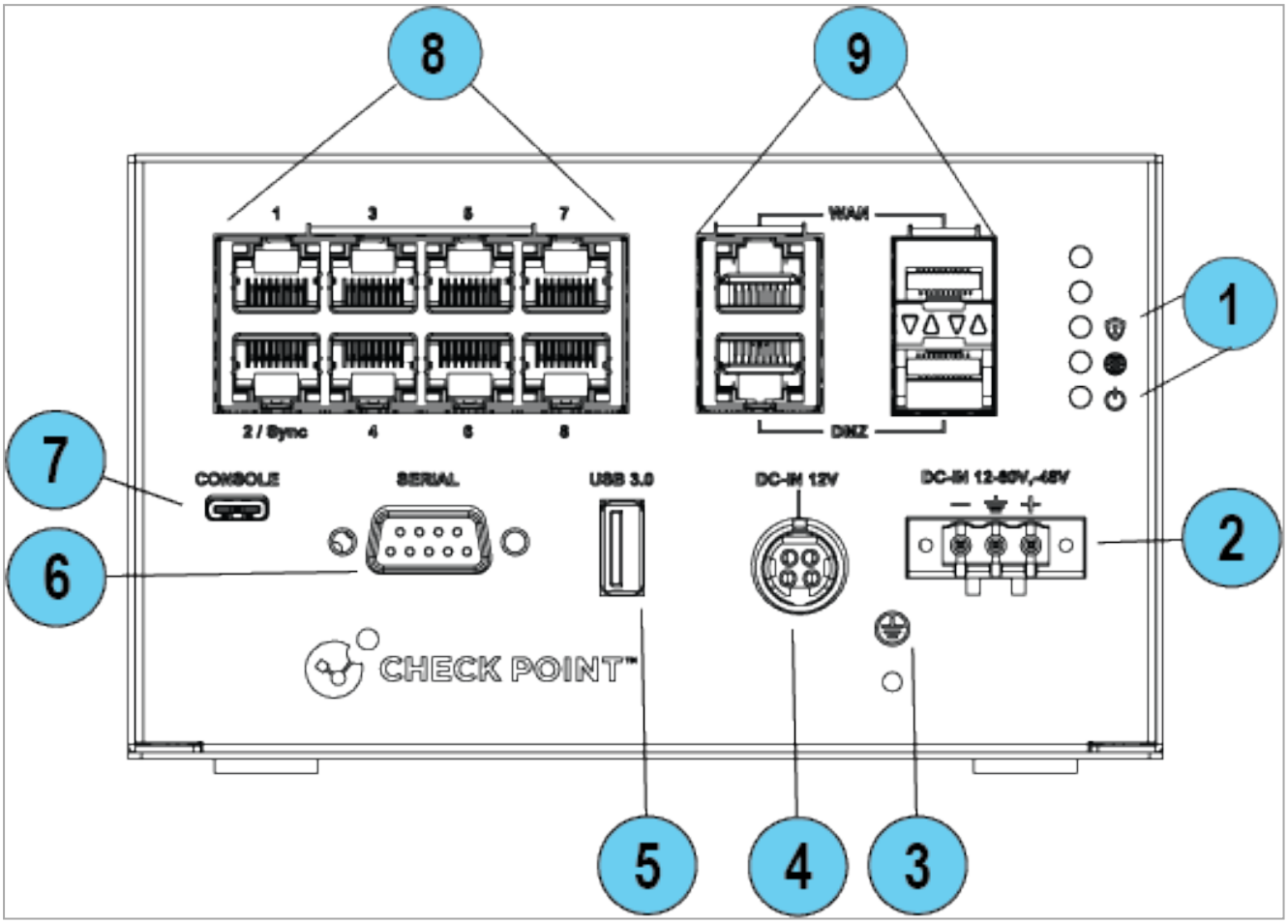


WiFi-LTE

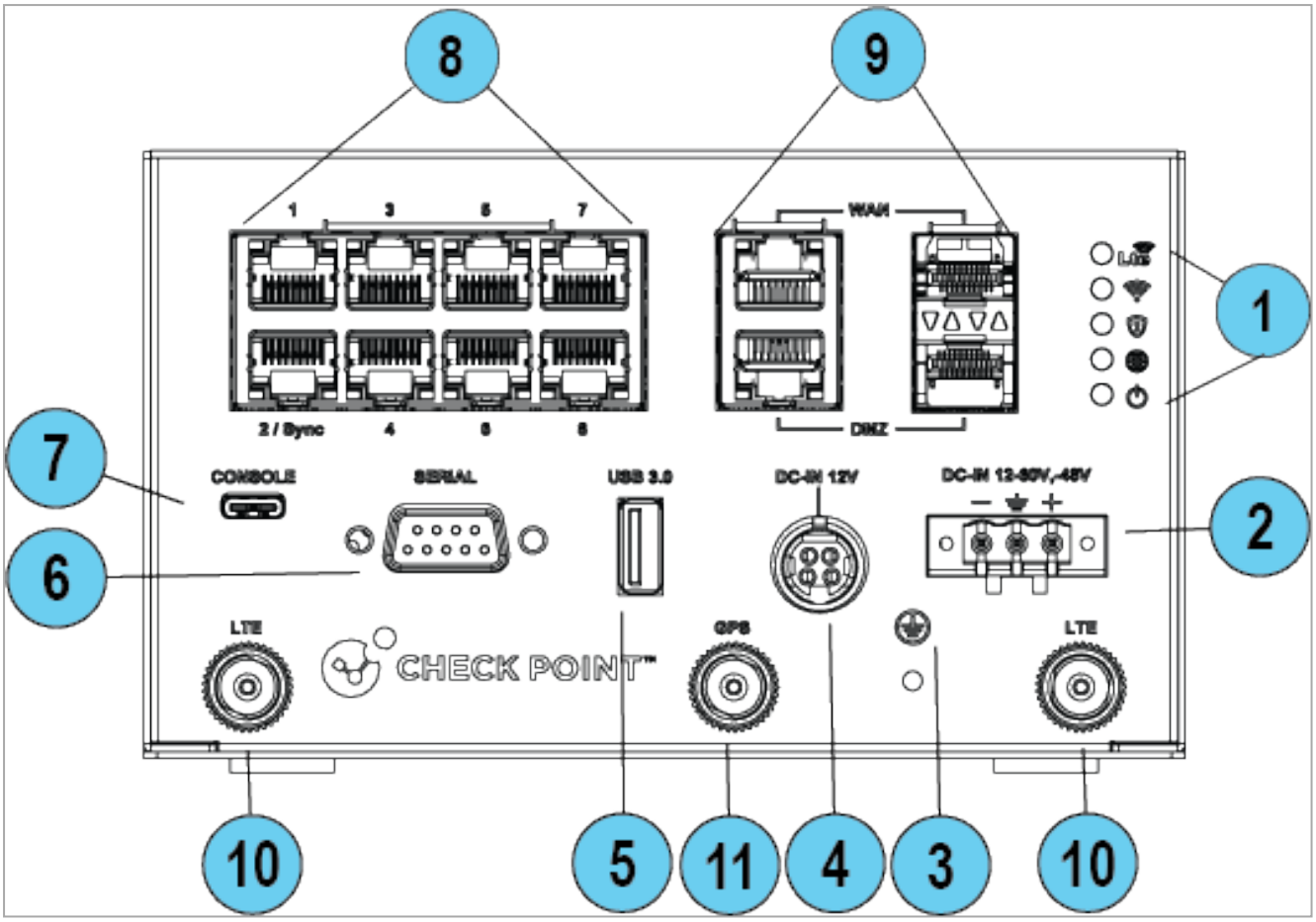


Front Panel

Wired



WiFi-LTE



Note - The Tower LEDs reflect the system status. The 5 LEDs are bi-color (blue and red).

Key	Item	Description
1	LEDs	From top to bottom: ■ LTE (in WiFi-LTE model only) • Cellular off - Off • Cellular modem available (operating SIM must be inserted and activated) - Solid blue • Cellular data transfer - Blinking blue • Cellular modem issue (no SIM, modem off, no signal, etc.) - Red ■ WiFi (in WiFi-LTE model only) • WiFi off - Off • WiFi on and operates normally - Blue • Wifi error/alert - Red ■ Management • No management - Off • Colors - See below ■ Internet • No internet connection - Off • Connecting to the internet - Blinking blue • Connected - Blue • Connection failure - Blinking red ■ Power/Status • Normal operation - Solid blue • Boot in progress or installing firmware - Blinking blue • Error/Alert - Red
2	12-60V, - 48VDC input	Connects to the power source cable from your power infrastructure.
3	Ground screw	Protective earthing terminal.
4	Power cord socket	Plug the power adapter cord in here. Use only Check Point power adapters.
5	USB port 3.0 (Type-A)	USB port 3.0 for software download.
6	Serial port	Plug in the serial cable here (standard DB9).
7	Console	Plug in the USB (Type-C) serial console cable here. Baud rate: 115200.
8	LAN ports	LAN ports 1-8. Port #2 is sync. 10/100/1000 MbE.
9	WAN and DMZ ports	10/100/1000 MbE WAN and DMZ ports support copper RJ45 and fiber interfaces. For each port, only one interface is allowed to use. In case that both the copper and fiber of the same port will be plugged, this port will have un-stability issues. **Note** - When using SFP, the ambient temperature is limited to 70 degree C.

Key	Item	Description
10	LTE Antennas (WiFi-LTE model only)	Attach 2 LTE Antennas here: ▪ Main - Right ▪ Aux - Left
11	GPS Antenna	The GPS function is seldom used. You can attach one of the LTE antennas in this position or purchase from a 3rd party vendor.

Best Practice -To improve the speed and reliability of the LTE communication link, attach the second LTE antenna (Aux).

Notes:

- You must attach all provided WiFi antennas to the appliance.
- Many mobile carriers require a minimum Total Radiated Power (TRP), which requires an efficient antenna. Make sure the product outputs sufficient power to meet the TRP minimum but does not exceed the FCC and IC EIRP limits.

Management LED

The **Management LED** shows the status of the retries mechanism:

Action	Management LED Activity
Zero Touch is running.	Blinks red (slowly)
Successfully connected to Zero Touch Cloud Server and saved the deployment script.	Blinks red (rapidly)
Zero Touch process is completed. SMP activation is not needed.	LED off
Activation sleeping time.	Blinks blue (slowly)
Reactivation.	Blinks blue (rapidly)
SMP is connected.	Solid blue.
SMP mode is off.	LED off
Gateway failed to connect to the SMP and will exit from the retry script.	Constant red.

Wait times before retry:

Failure	Waiting Time
1st	2 minutes
2nd	4 minutes
3rd	8 minutes
4th	16 minutes
Subsequent	Retries every 16 minutes until Cloud Services are successfully activated

Network LEDs

The table below describes the network LEDs (RJ45 WAN and LAN ports and the SFP).

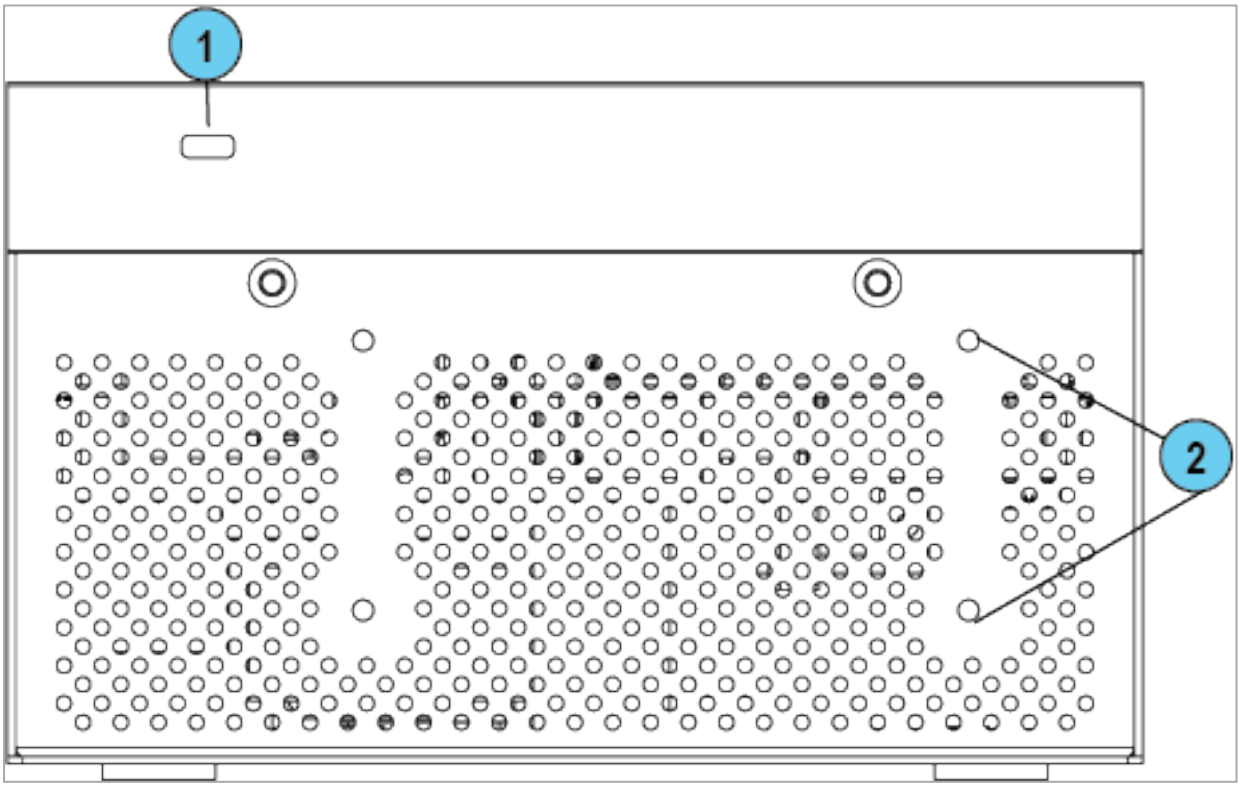
Each port uses a bi-color LED to reflect the link/activity and speed, from 10M to 1GbE.

The SFP port supports only 1GbE.

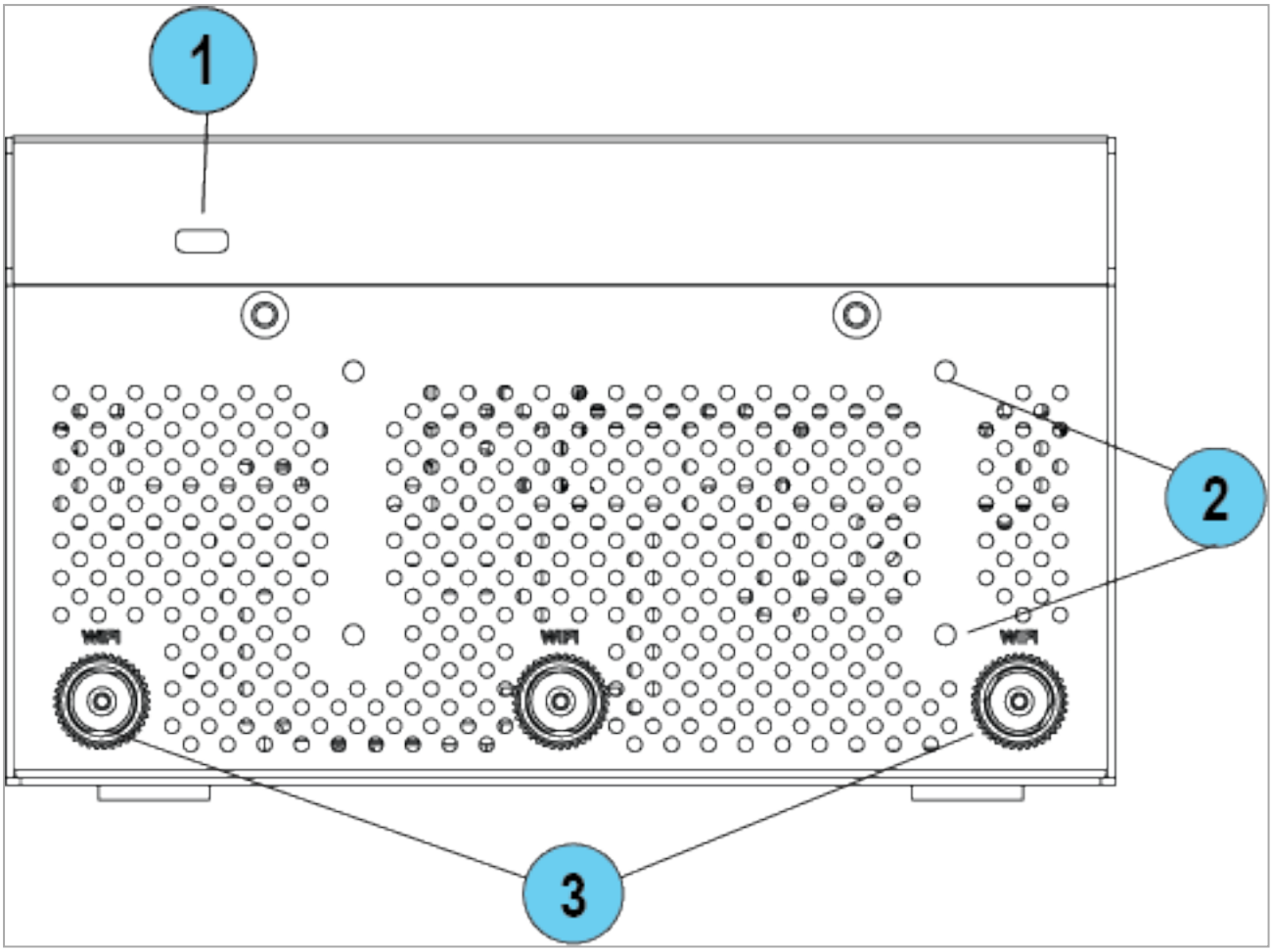
RJ45 and 1G SFP	LED1 (Green)	LED2 (Amber)
No link	Off	Off
1G link	ON	Off
1G Act	Blink	ON
100M link	ON	Off
100M Act	Blink	Off
10M link	ON	Off
10M Act	Blink	Off

Back Panel

Wired



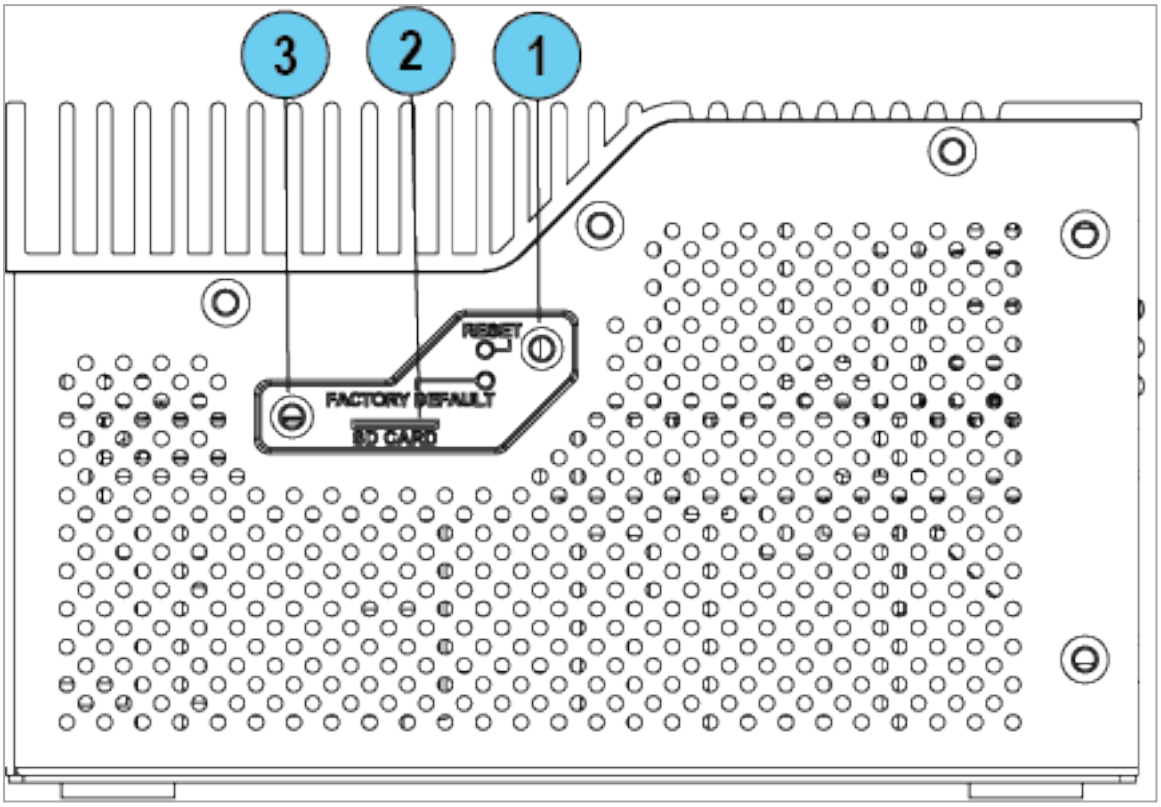
WiFi-LTE

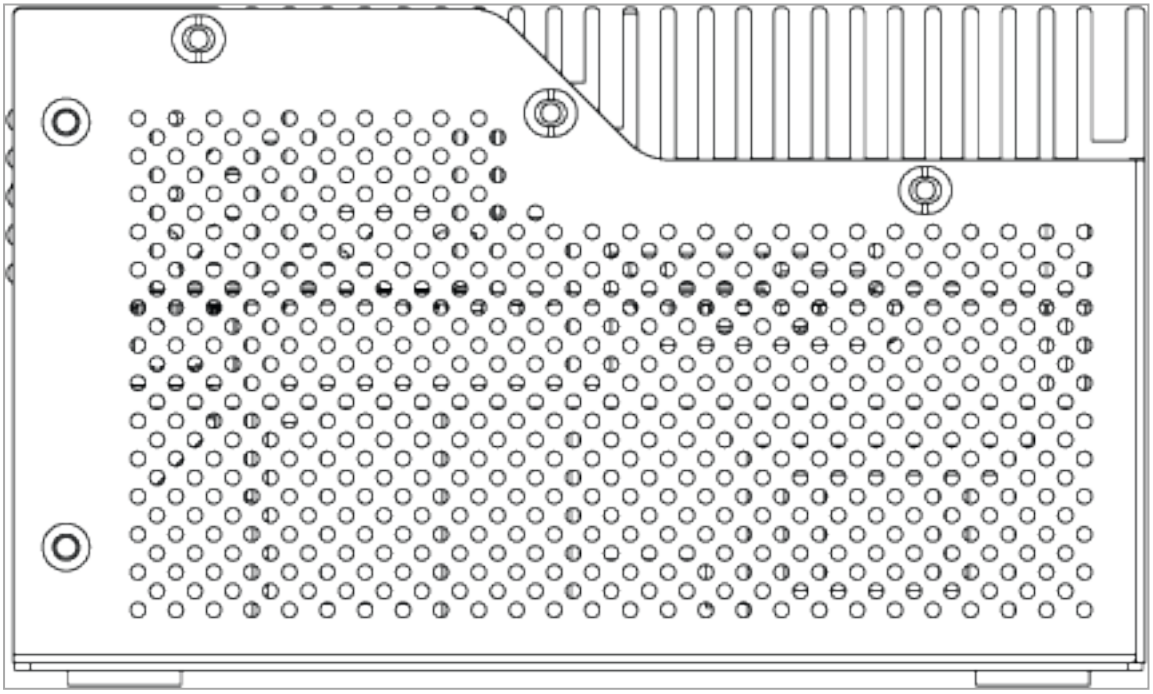


Key	Item	Description
1	Anti-theft slot	Insert anti-theft cable here. Use Kensington and Sunbox TL-623M cable as a reference.
2	M3 DIN rail mount hole	
3	WiFi Antennas	Attach 3 WiFi Antennas here.

Side Panels

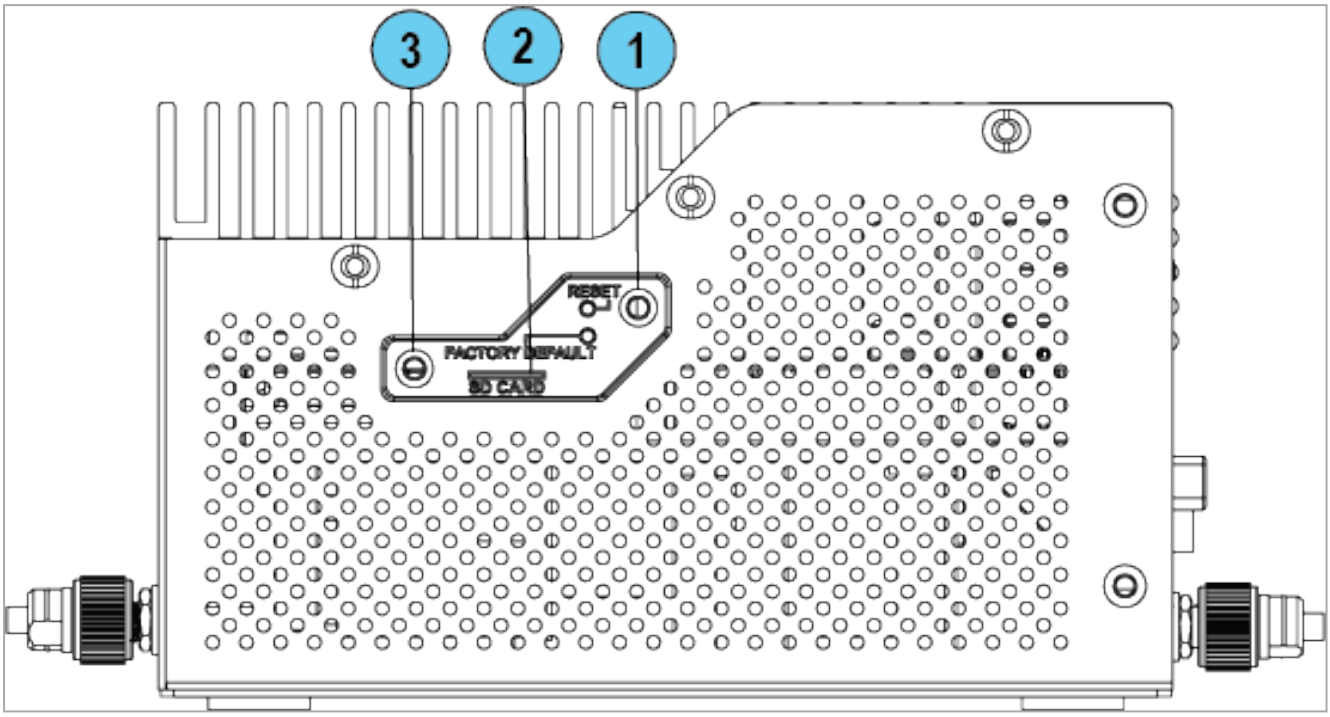
Wired



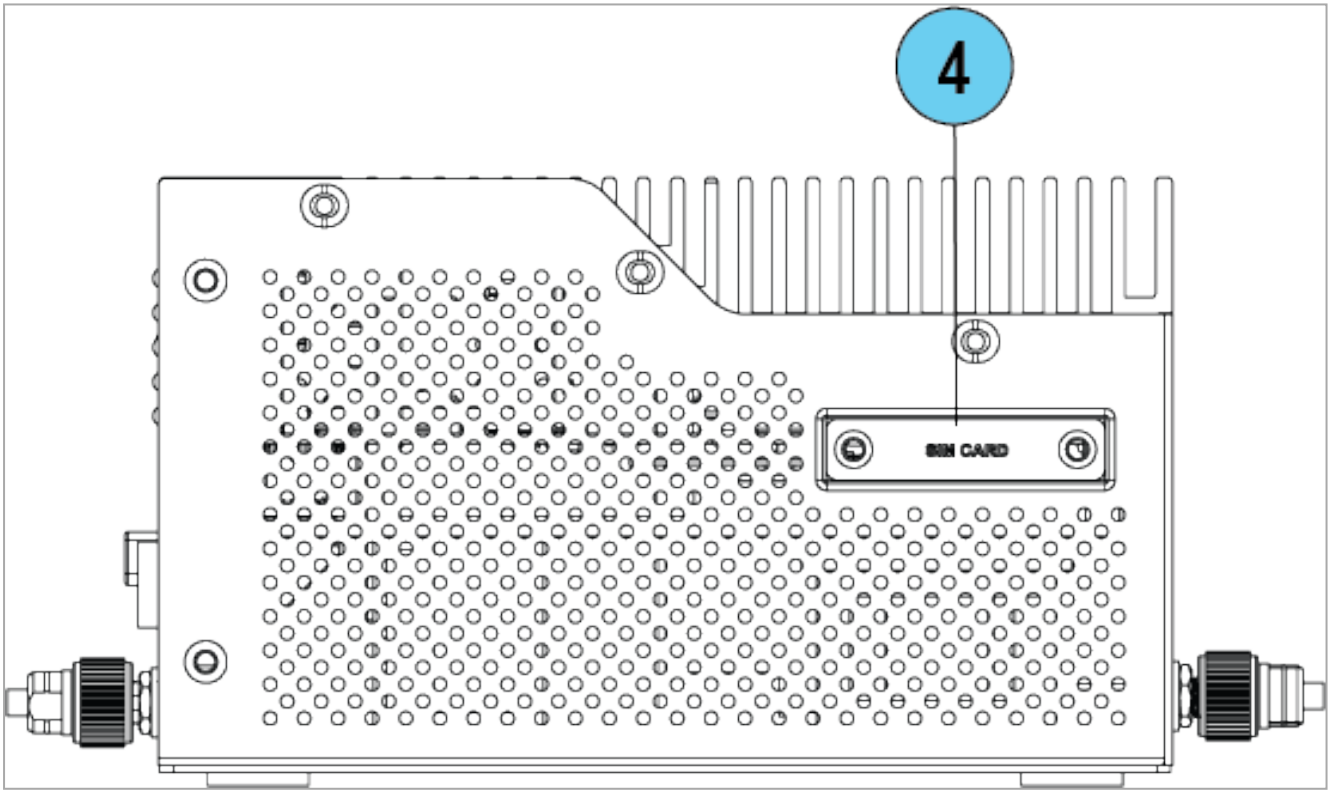


WiFi-LTE

Side 1



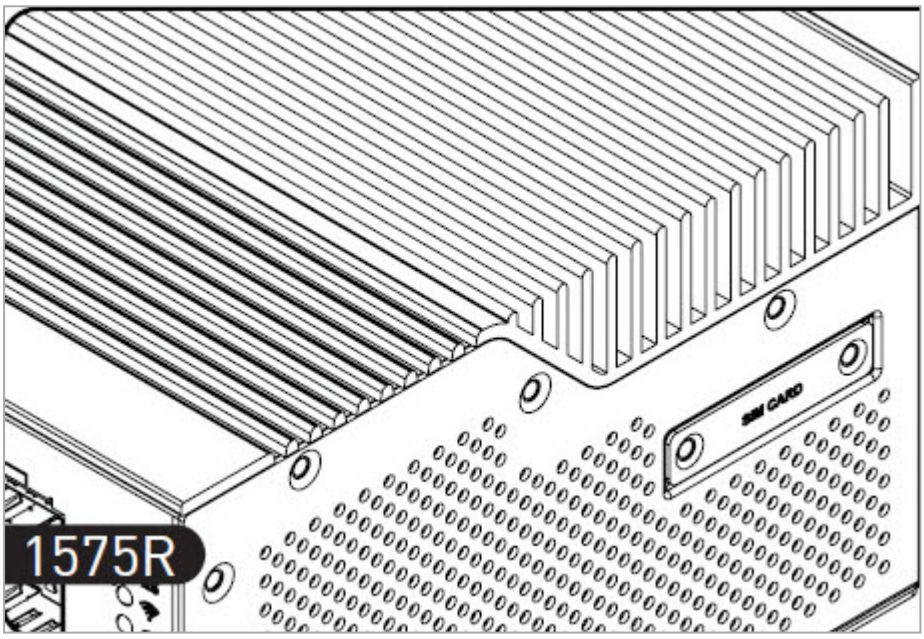
Side 2



Key	Item	Description
1	Reset	Short press resets the system, but does not remove any user parameters.

Key	Item	Description
2	SD card slot	Insert micro-SD card here.
3	Factory Default	Press the button continuously for 12 seconds to restore the appliance to its factory default. All user parameters previously configured are removed.
4	SIM card slot	Insert SIM card here (WiFi-LTE model only)

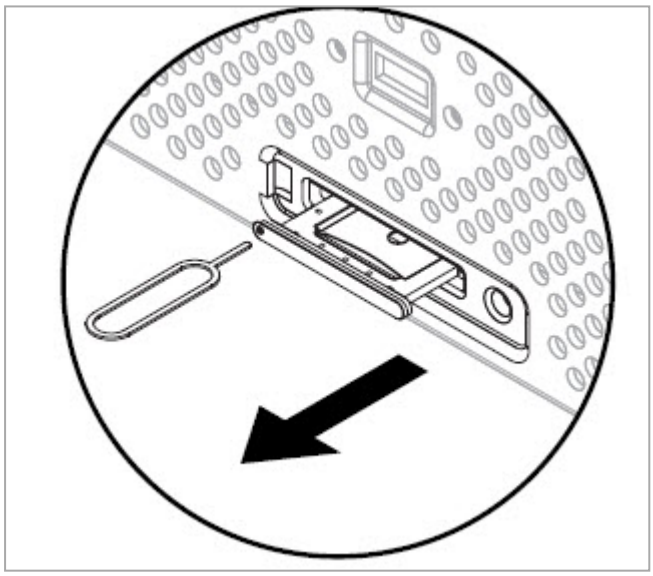
SIM Card Installation



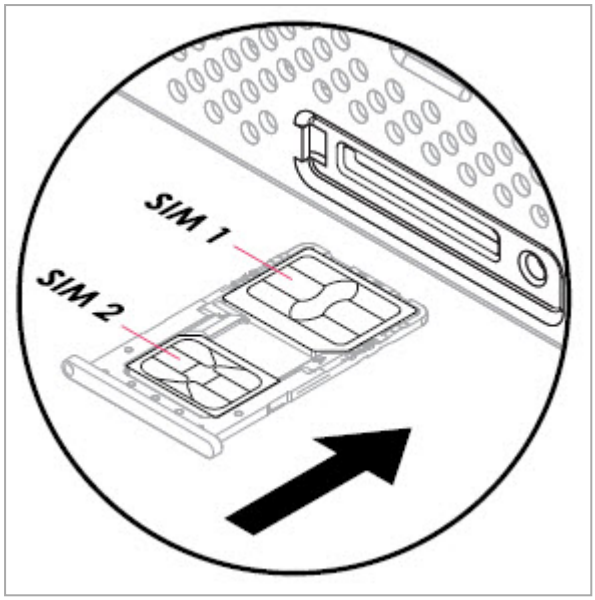
To install the SIM card:

1. Remove the SIM card tray cover.

2. Use the pin to pop out the SIM tray.



3. Insert the SIM card into the tray.



Note - The SIM card tray can support up to 2 SIM cards:
- SIM 1 - Micro-SIM
- SIM 2 - Nano-SIM

4. Insert the SIM tray into the appliance.
5. Replace the SIM card cover.

Using the First Time Configuration Wizard

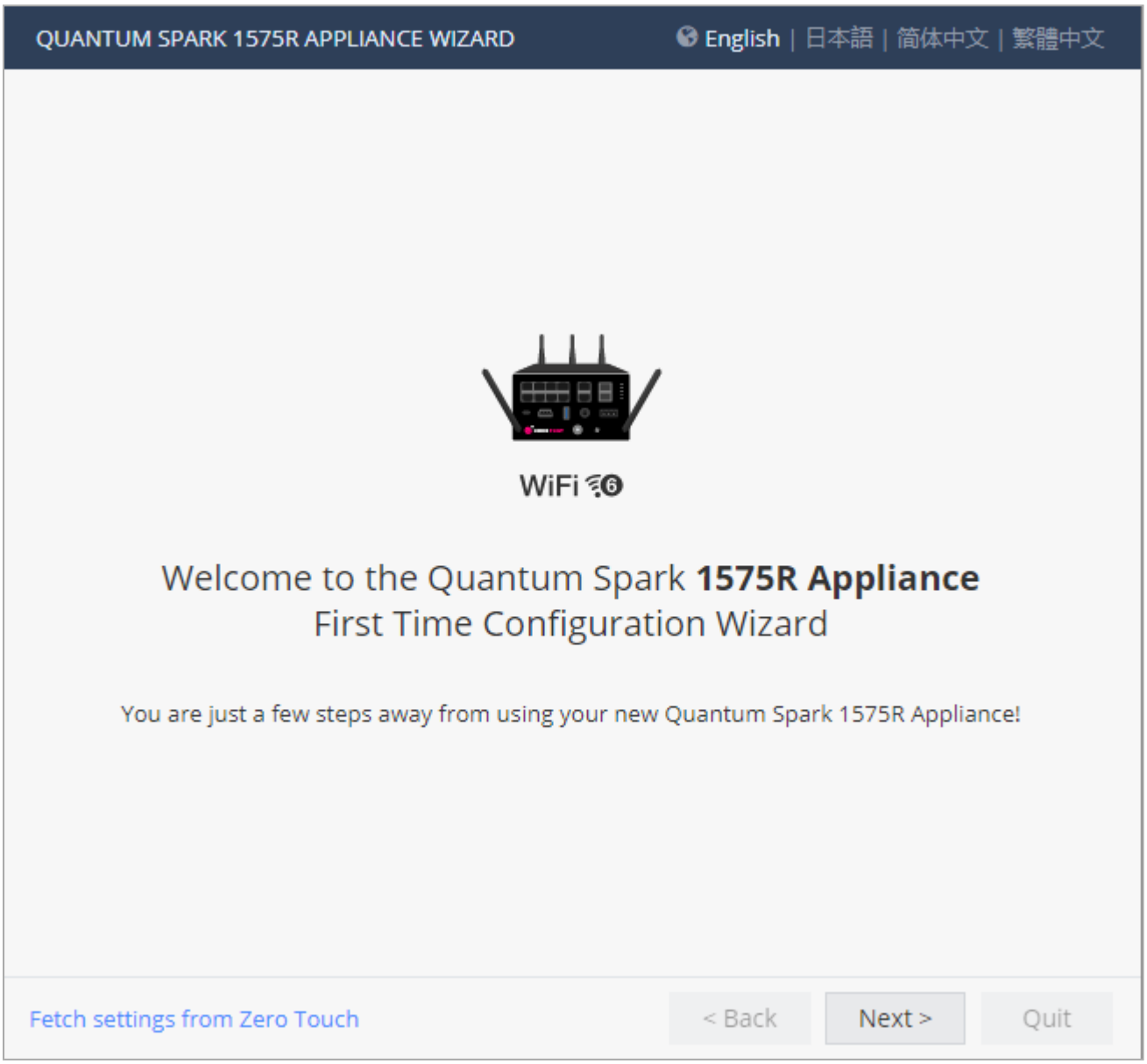
Configure the Quantum Spark Appliance with the First Time Configuration Wizard.

To close the wizard and save configured settings, click **Quit**.

Note - In the First Time Configuration Wizard, you may not see all the pages described in this guide. The pages that show in the wizard depend on your appliance model and the options you select.

Welcome

The **Welcome** page introduces the product and shows the name of your appliance.



You can connect to the Zero Touch server to fetch settings automatically from the cloud.

To change the language of the WebUI application:

Select the language link at the top of the page.

Note - Only English is allowed as the input language.

Zero Touch

Zero Touch enables a gateway to automatically fetch settings from the cloud when it is connected to the internet for the first time.

Note - You cannot use Zero Touch if you connect to the internet with a proxy server.

If the gateway connects to the internet through DHCP, the gateway will fetch the Zero Touch settings without any additional action. If no DHCP service is available, you must run the First Time Configuration Wizard, configure the **Internet Connection** settings, and then fetch the settings from the Zero Touch server.

To connect to the Zero Touch server:

1. In the **Welcome** page, click **Fetch Settings from the cloud**.
2. In the window that opens, click **OK** to confirm that you want to proceed.
3. The **Internet connection** page opens. Configure your Internet connection and click **Connect**.
4. The **Fetching settings from the cloud** window opens and shows the **Connecting to the service provider** status. This process may take several minutes.
5. If you fail to connect, an error message appears. Possible errors include:
   - Internet connection is not configured correctly.
   - Internet connection is through a proxy server.
   - Zero Touch is already running.
   - Zero Touch service already completed.
   - The First Time Configuration Wizard already completed.
   - Zero Touch service is disabled.

     Where applicable, click **Retry** now to connect again.
6. After you connect to the server, the settings are automatically downloaded and installed. The status is shown in the **Fetching settings from the cloud** window. It may take several minutes until the installation is complete.
7. Click **Finish**.

Note - If a collision is detected between an internal network (LAN) and an IP returned using DHCP (WAN), the conflicting LAN address is changed automatically. If a colliding LAN IP address is changed, a message appears in the system logs.

When you reconnect to the WebUI or click **Refresh**, the browser opens to show the status of the installation process.

After the gateway downloads and successfully applies the settings, it does not connect to the Zero Touch server again.

Authentication Details

In the **Authentication Details** page, enter the required details to log in to the appliance WebUI, or if the wizard terminates abnormally:

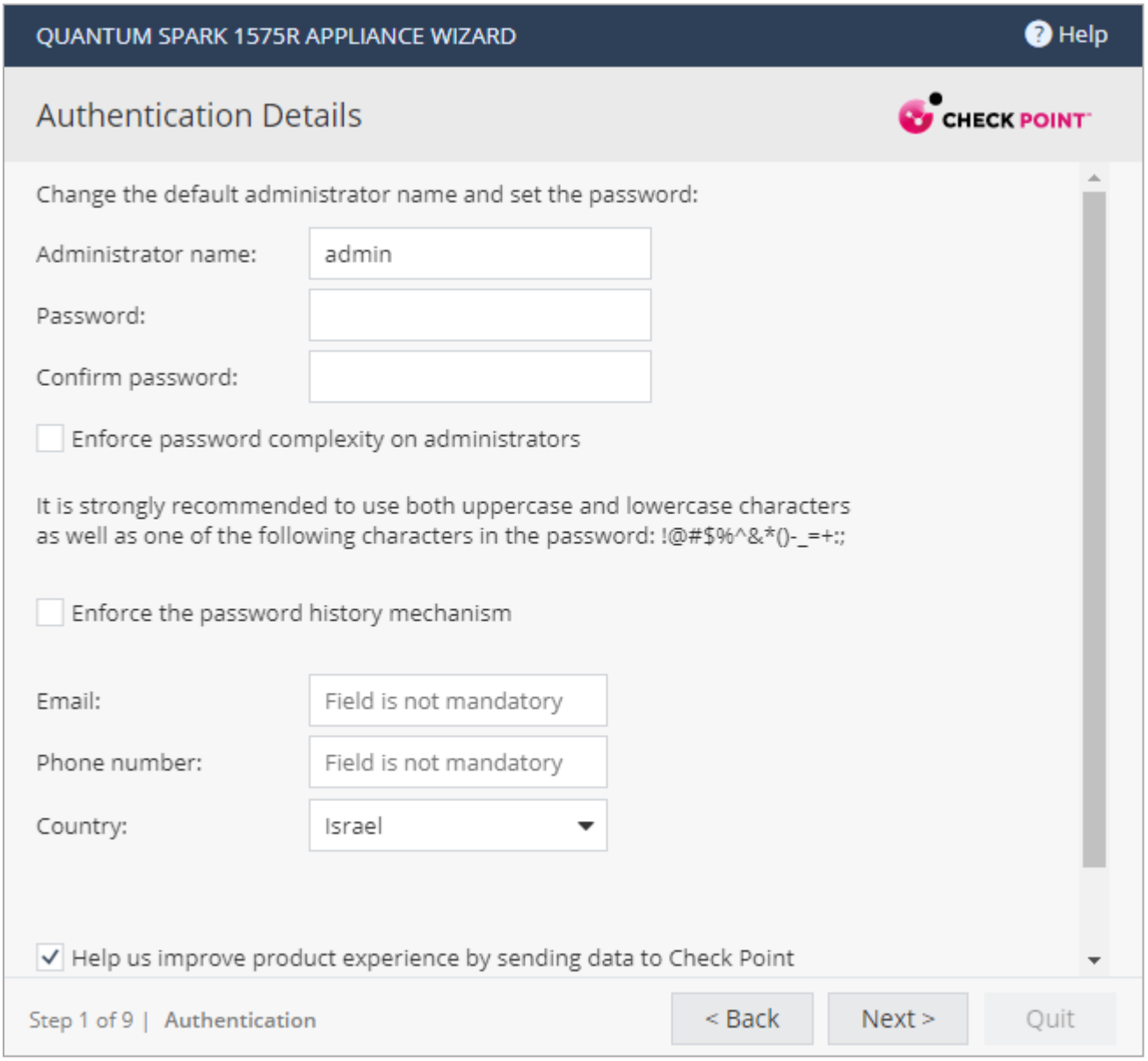
- **Administrator Name** - We recommend that you change the default "`admin`" login name of the administrator. The name is case sensitive.
- **Password** - A strong password has a minimum of 6 characters with at least one capital letter, one lower case letter, and a special character. Use the **Password strength** meter to measure the strength of your password.

  Note - The meter is only an indicator and does not enforce creation of a password with a specified number of character or character combination. To enforce password complexity, click the check box.
- **Confirm Password** - Enter the password again.
- **Country** - Select a country from the list (for wireless network models).

  The country where the license is set determines the wireless frequency and parameters, as the regulations vary according to region.

  If you are using a trial license, only **basic radio settings**, are allowed in all zones. A warning that selected wireless radio settings are not applied shows on the **Summary** page and also on the **Device** > **License** page. For more information on basic wireless radio settings, see sk159693.

  If you select a country and install a valid license, but the wireless region of the device does not match the selected country, a warning message shows and you must edit the country information. When the country and wireless region match, you see the full settings.



[Authentication Details]

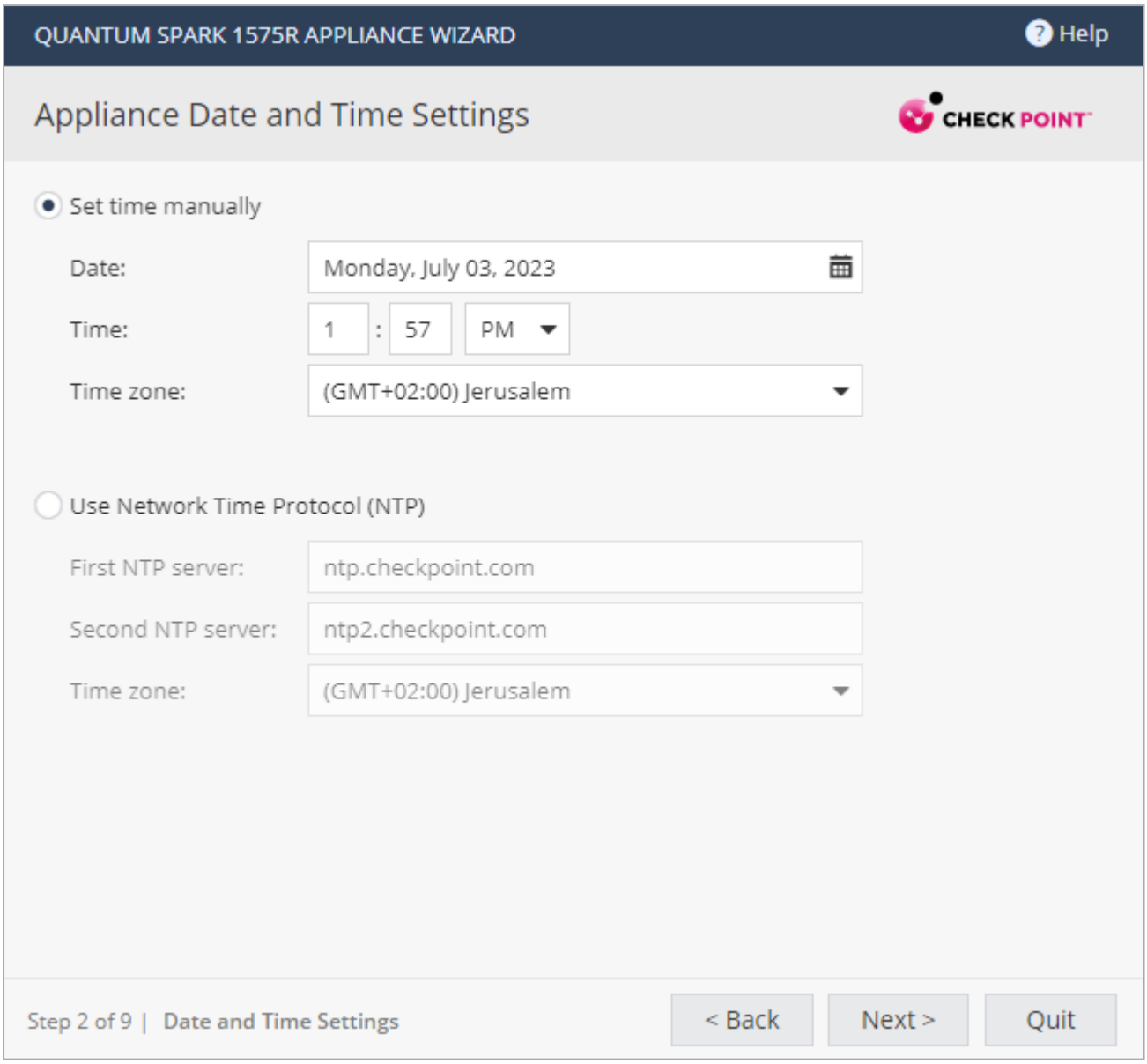
Appliance Date and Time Settings

In the **Appliance Date and Time Settings** page, configure the appliance's date, time, and time zone settings manually or use the Network Time Protocol option.

If you select the option **Set the time manually**, the appliance uses the date and time from your computer as the initial values. If necessary, change the time zone setting to show your correct location. Daylight Savings Time is automatically enabled by default. You can change this in the WebUI application on the **Device** > **Date and Time** page.

- **Date** - The date on your computer appears by default. If required, set a different date.
- **Time** - The time on your computer appears by default. If required, set a different time.
- **Time Zone** - The time zone on your computer appears by default. If required, select a time zone setting to reflect your exact location.

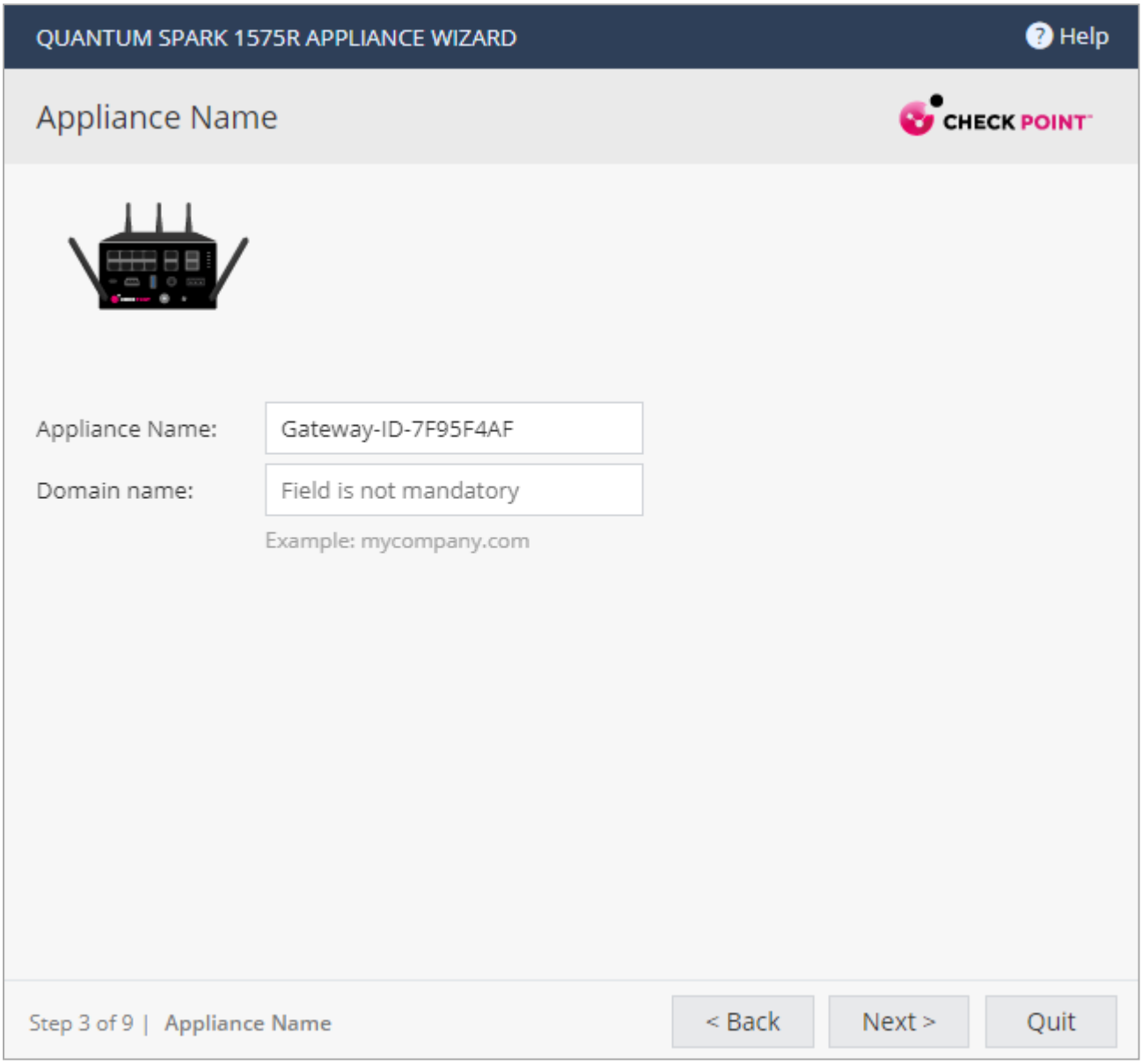
- **Primary NTP server** - The IP or host name of the primary NTP server. The default server is `ntp.checkpoint.com`
- **Secondary NTP server** - The IP or host name of the secondary NTP server. The default server is `ntp2.checkpoint.com`



Appliance Name

In the **Appliance Name** page, enter a name to identify the appliance, and enter a domain name (optional).

When the gateway performs DNS resolving for a specified object's name, the domain name is appended to the object name. This lets hosts in the network look up hosts by their internal names.

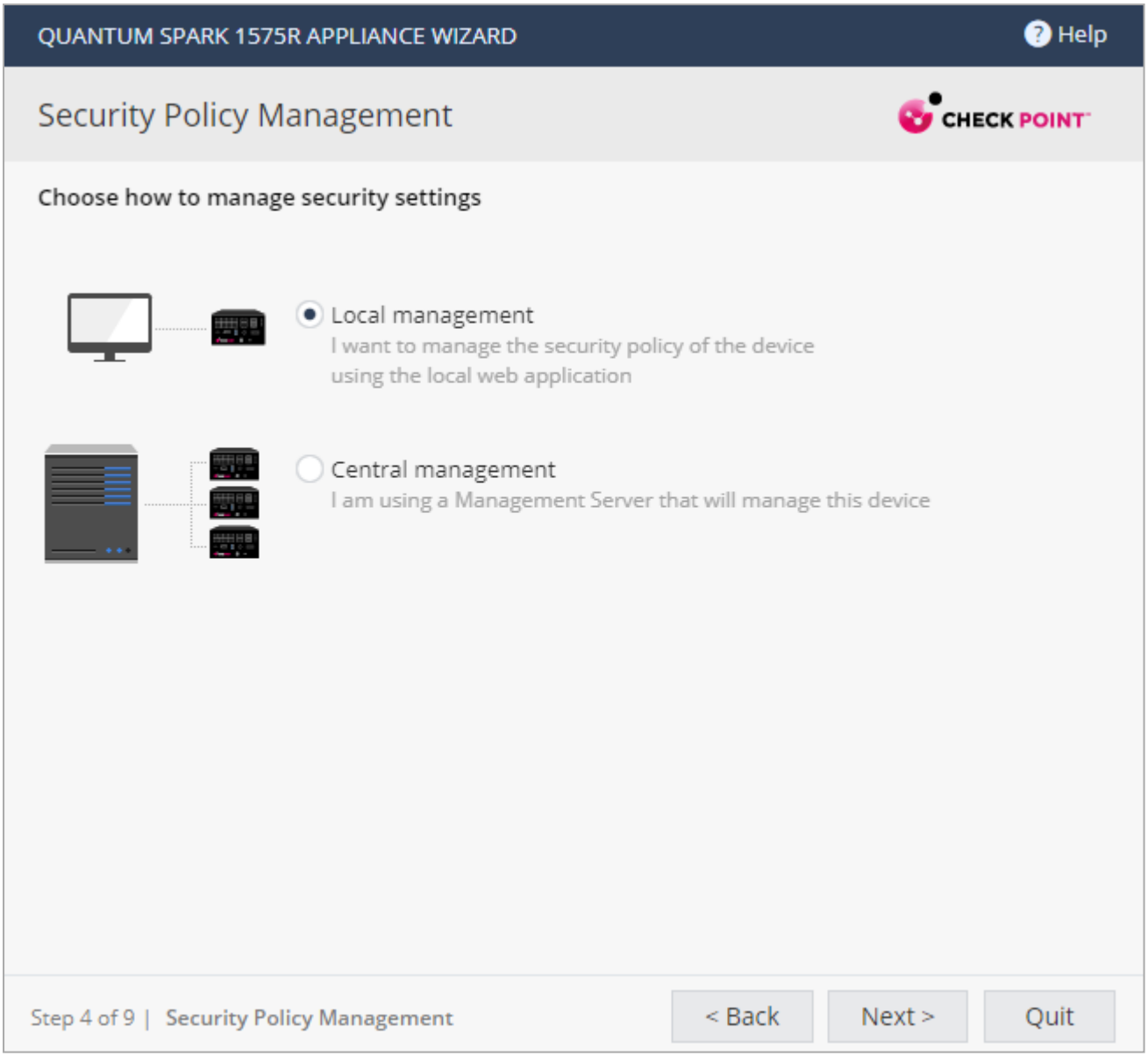


Security Policy Management

In the **Security Policy Management** page, select how to manage security settings:

- **Central management** - A remote Security Management Server manages the Security Gateway in SmartConsole with a network object and security policy.
- **Local management** - The appliance uses a web application to manage the security policy. After you configure the appliance with the First Time Configuration Wizard, the default security policy is enforced automatically. With the appliance WebUI, you can configure the Software Blades you activated and fine tune the security policy.

This Getting Started Guide describes how to configure both locally and centrally managed deployments.



Internet Connection

In **the Internet Connection** page, configure your Internet connectivity details or select **Configure Internet connection later.**

To configure Internet connection now:

1. Select **Configure Internet connection now**.
2. From the **Connection type** drop down list, select the protocol used to connect to the Internet.
3. Enter the fields for the selected connection protocol. The information you must enter is different for each protocol. You can get it from your Internet Service Provider (ISP).

- **Static IP** - A fixed (non-dynamic) IP address.
- **DHCP** - Dynamic Host Configuration Protocol (DHCP) automatically issues IP addresses within a specified range to devices on a network. This is a common option when you connect through a cable modem.
- **PPPoE (PPP over Ethernet)** - A network protocol for encapsulating Point-to-Point Protocol (PPP) frames inside Ethernet frames. It is used mainly with DSL services where individual users connect to the DSL modem over Ethernet and Metro Ethernet networks. Enter the **ISP login user name** and **ISP login password**. **Note** - In the First Time Configuration Wizard, only dynamic IP is supported.
- **PPTP** - The Point-to-Point Tunneling Protocol (PPTP) implements virtual private networks. PPTP uses a control channel over TCP and a GRE tunnel operating to encapsulate PPP packets.
- **L2TP** - Layer 2 Tunneling Protocol (L2TP) is a tunneling protocol used to support virtual private networks (VPNs). It does not provide any encryption or confidentiality. It relies on an encryption protocol that it passes within the tunnel to provide privacy.
- **Cellular** - This is for appliances with an internal LTE modem. Both SIM cards are used for the internet connection with a failover between them.
- **Cellular Modem** - Connect to the Internet with a cellular modem to the ISP through a 3G or 4G network. For this option, select the USB/Serial option in the Interface name.

  Note - Only one cellular modem is supported. Appliances with an internal LTE modem do not support an external USB modem.

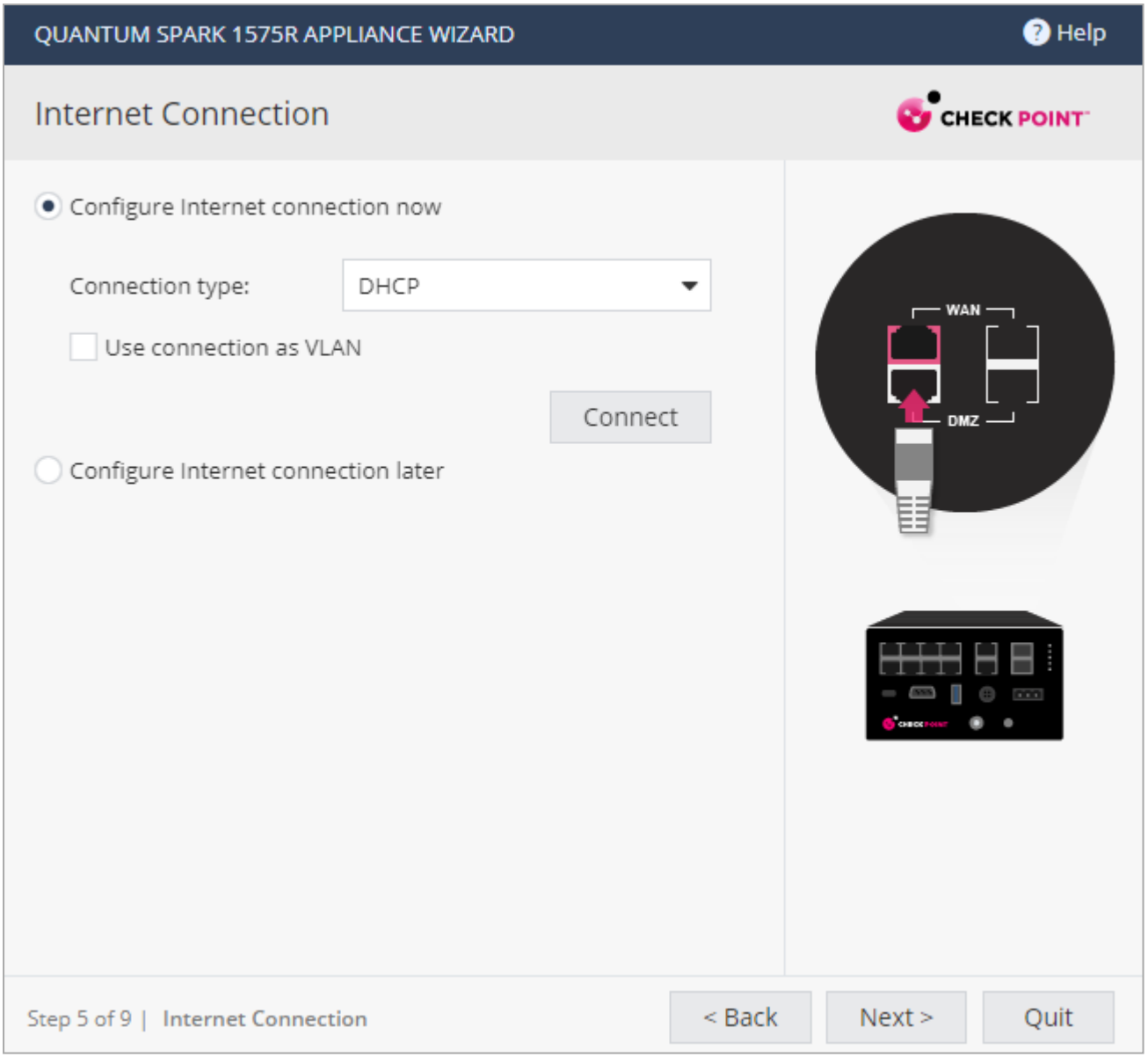
- **Bridge** - Connects multiple network segments at the data link layer (Layer 2).
- **DNS Server** (Static IP and Bridge connections) - Enter the DNS server address information in the relevant fields. For DHCP, PPPoE, PPTP, L2TP, Cellular, and the DNS settings are supplied by your service provider. You can override these settings later in the WebUI application, under **Device** > **DNS**.

We recommend that you configure the DNS as the appliance needs to perform DNS resolving for different functions. For example, to connect to Check Point User Center during license activation or when Application Control, Web Filtering, Anti-Virus, or Anti-Spam services are enabled.

To test your ISP connection status:

Click **Connect**.

The appliance connects to your ISP. Success or failure shows at the bottom of the page.



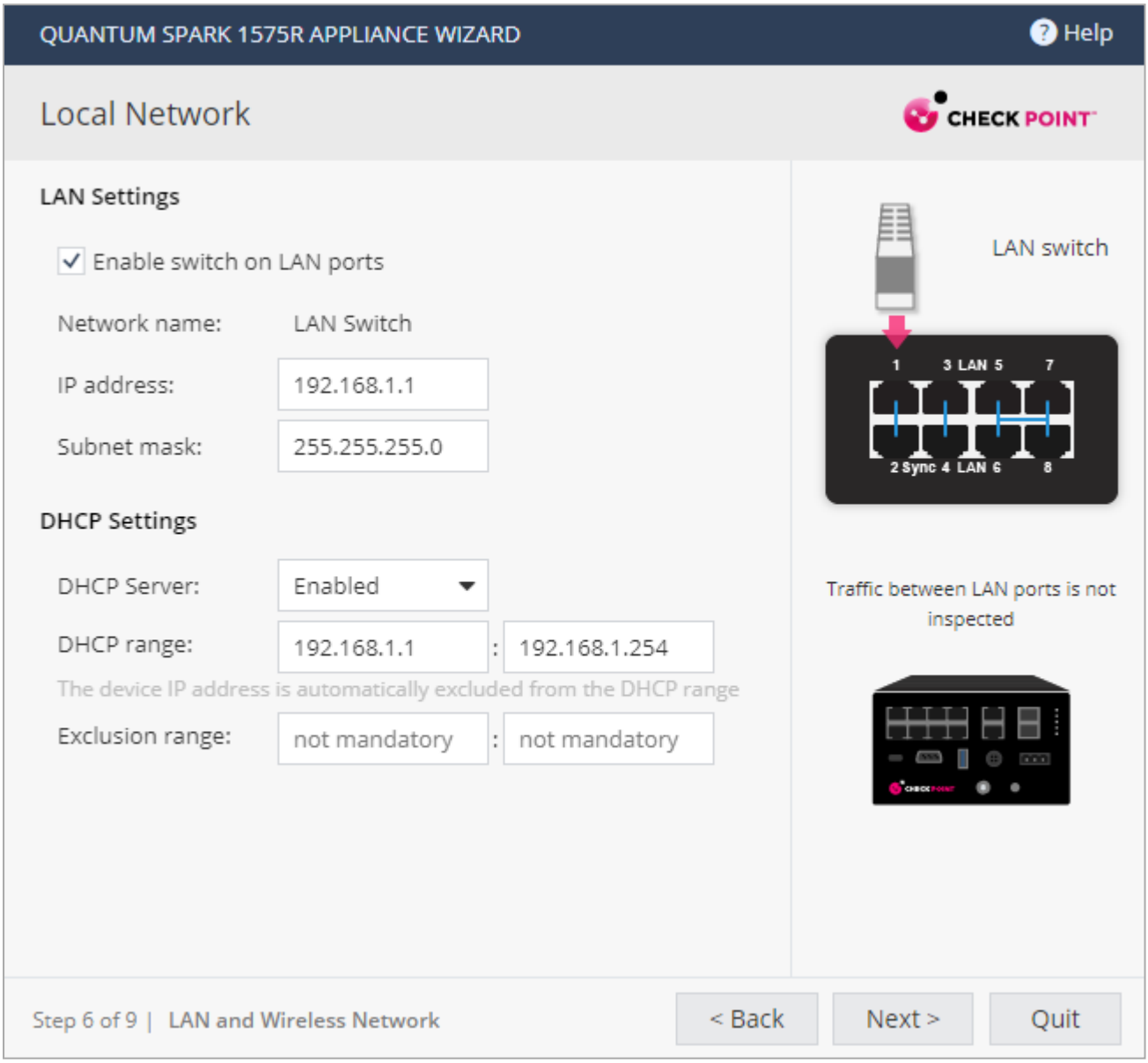
Local Network

In **the Local Network** page, select to enable or disable switch on LAN ports and configure your network settings. By default, they are enabled. You can change the IP address and stay connected as the appliance's original IP is kept as an alias IP until the first time you boot the appliance.

Tell me about the fields...

- **Enable switch on LAN ports** - Aggregates all LAN ports to act as a switch with one IP address for the switch. If this option is disabled (checkbox is cleared), the local network is defined as LAN1 only.
- **Network name** - Enter the network name.
- **IP address** - You can modify the IP address and maintain connectivity. The appliance's original IP is kept as an alias IP to maintain connectivity until the wizard is completed.
- **Subnet mask** - Enter the subnet mask.

- **DHCP server and range fields** - DHCP is enabled by default with a default network range. Make sure to set the appropriate range and do not include predefined static IPs in your network.
- **Exclusion range** - Set the exclusion range for IP addresses that are not defined by the DHCP server. Define the range of IP addresses that the DHCP excludes when IP addresses are assigned in the network. The appliance's IP address is automatically excluded from the range. For example, if the appliance IP is 1.1.1.1 the range also starts from 1.1.1.1, but excludes its own IP address.



Important - If you choose to disable the switch on LAN ports (clear the checkbox), make sure your network cable is placed in the LAN1 port. Otherwise, connectivity will be lost when you click **Next**.

Wireless Network

For WiFi models only:

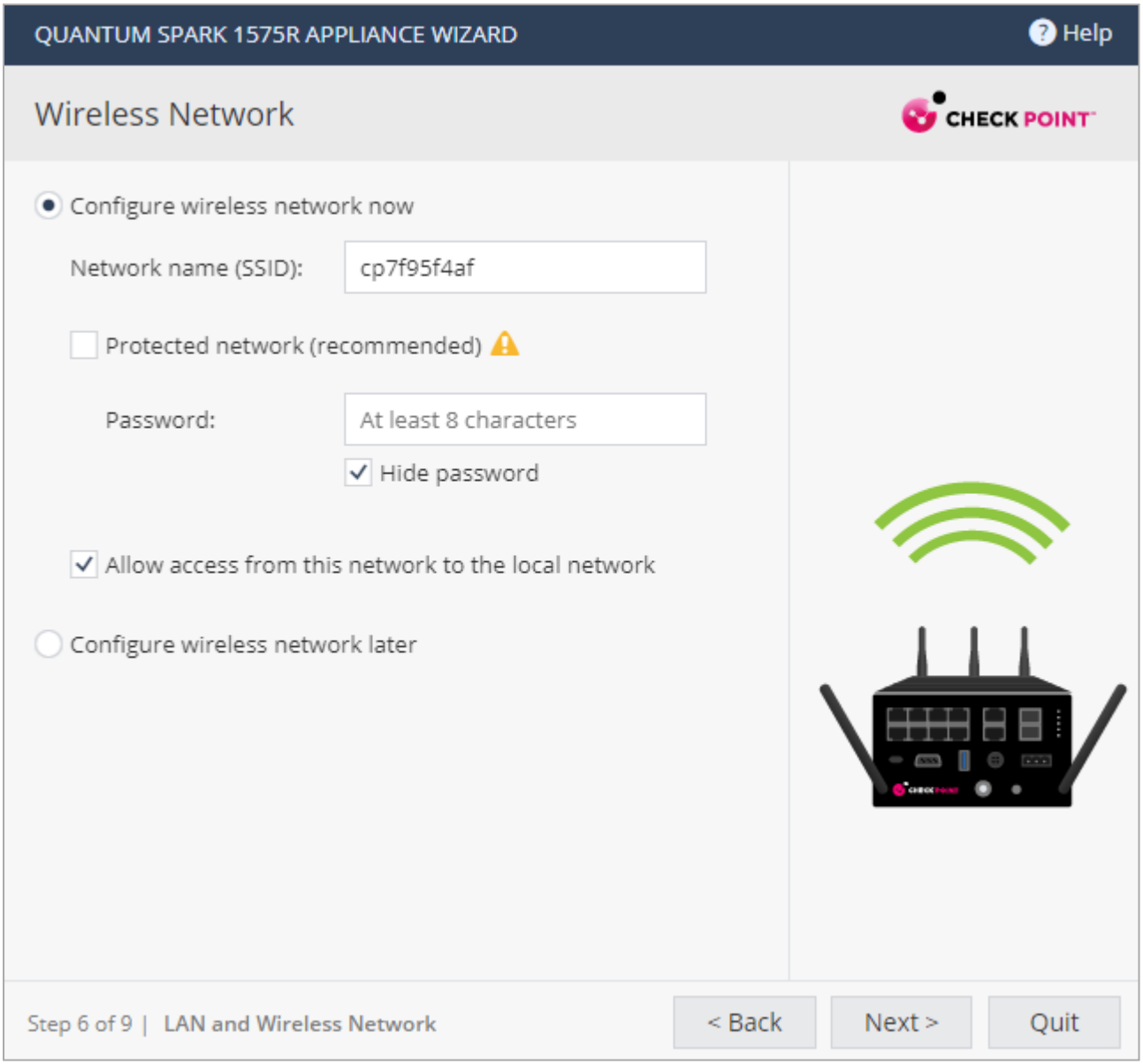
In the Wireless Network page, configure wireless connectivity details.

When you configure a wireless network, you must define a network name (SSID). The SSID (service set identifier) is a unique string that identifies a WLAN network to clients that try to open a wireless connection with it.

We recommend that you protect the wireless network with a password. Otherwise, a wireless client can connect to the network without authentication.

To configure the wireless network now:

1. Select **Configure wireless network now**.
2. Enter a name in the **Network name (SSID)** field. This is the name shown to clients that look for access points in the transmission area.
3. Select **Protected network (recommended)** if the wireless network is protected by password.
4. Enter a **Password**.
5. The **Hide** password option is selected by default.
6. **Allow access from this network to the local network** is selected by default. This means the wireless network is considered trusted and access is allowed from it to the local network.
7. Radio Band



Administrator Access

In the **Administrator Access** page, configure if administrators can use the appliance from a specified IP address or any IP address.

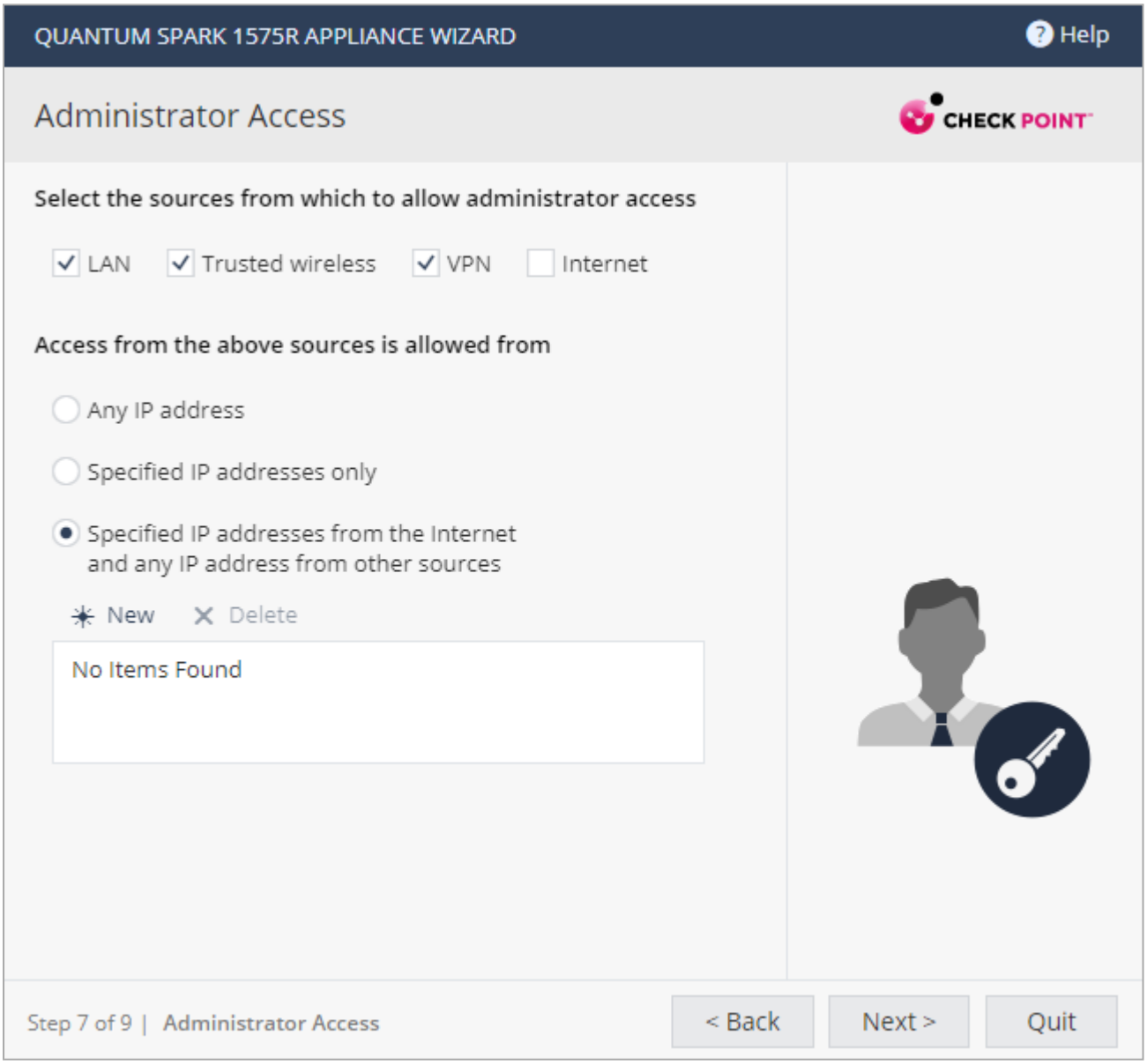
To configure administrator access:

1. Select the sources from where administrators are allowed access:
   - **LAN** - All internal physical ports.
   - **Trusted wireless** - A known wireless network.
   - **VPN** - Using encrypted traffic through VPN tunnels from a remote site or using a remote access client.
   - **Internet** - Clear traffic from the Internet (not recommended).
2. Select the IP address from which the administrator can access the appliance:

- **Any IP address**.
- **Specified IP addresses only** - Select this option to let administrators access the appliance from a specified IP address or network. Click **New** to configure the IP address information.
- **Specified IP addresses from the Internet and any IP address from other sources** - Select this option to allow administrator access from the Internet from specific IP addresses only and access from other selected sources from any IP address. This option is the default.

To specify IP addresses:

1. Click **New**.
2. In the IP Address Configuration window, select an option:
   - **Specific IP address** - Enter the **IP address** or click **Get IP from my computer**.
   - **Specific network** - Enter the **Network IP** address and **Subnet mask**.
3. Click **Apply**.



Appliance Registration

The appliance can connect to the Check Point User Center with its credentials to pull the license information and activate the appliance.

If you have Internet connectivity configured:

Click **Activate License**.

You are notified that you successfully activated the appliance and you are shown the status of your license for each Software Blade.

If you are working offline while configuring the appliance:

1. From a computer with authorized access to the *Check Point User Center*, follow *one* of these procedures:
   - **Use your User Center account**
     a. Log in to your User Center account.
     b. Select the specified container of your appliance.
     c. From the **Product Information** tab, click **License** > **Activate**.

     This message appears: "*Licenses were generated successfully*".
     d. Click **Get Activation File** and save the file locally.
   - **Register your appliance**
     a. Go to: https://smbregistration.checkpoint.com
     b. Enter your appliance details and click **Activate**.

     This message appears: "*Licenses were generated successfully*".
     c. Click **Get Activation File** and save the file locally.
2. In the **Appliance Activation** page of the First Time Configuration Wizard, click **Offline**.

   The **Import from File** window opens
3. Browse to the activation file you downloaded and click Import. The activation process starts.

   You are notified that you successfully activated the appliance and you are shown the status of your license for each blade.

If there is a proxy between your appliance and the Internet, you must configure the proxy details before you can activate your license.

To configure the proxy details:

1. Click **Set proxy**.
2. Select **Use proxy server** and enter the proxy server **Address** and **Port**.
3. Click **Apply**.
4. Click **Activate License**.

You are notified that you successfully activated the appliance and you are shown the status of your license for each blade.

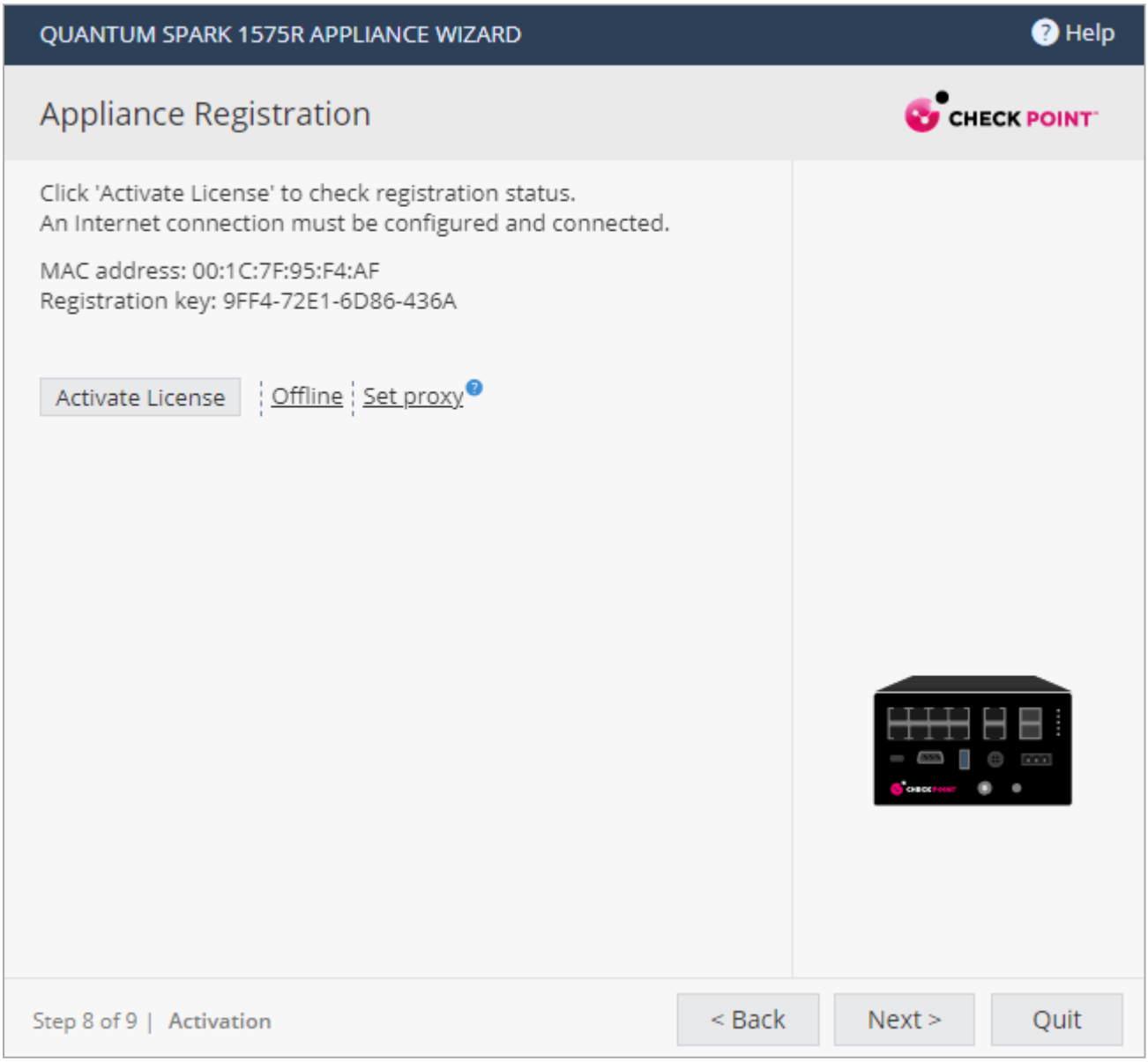
To postpone appliance registration and get a 30-day trial license:

1. Click **Next**.

   The License activation was not complete notification message is shown.

2. Click **OK**.

   The appliance uses a 30-day trial license for all blades. You can register the appliance later in the WebUI from the **Device** > **License** page.



If your device is not paired with a User Center account, you must create an account or ask your company administrator to create one for you.

To create a new User Center account (for Locally Managed appliances only):

1. Click **Activate License**.

   The Appliance Registration window opens.
2. Select **Create a new User Center account** and click **Next**.
3. In the new window, enter:
   - **First name**
   - **Last Name**
   - **Email**. You must enter this a second time to confirm.
   - **Company** - This is the Account Name to which the appliance is paired.
4. Click **Next**.

The **Software Blades Activation** page opens.

Security Management Server Authentication

For Centrally Managed appliances only:

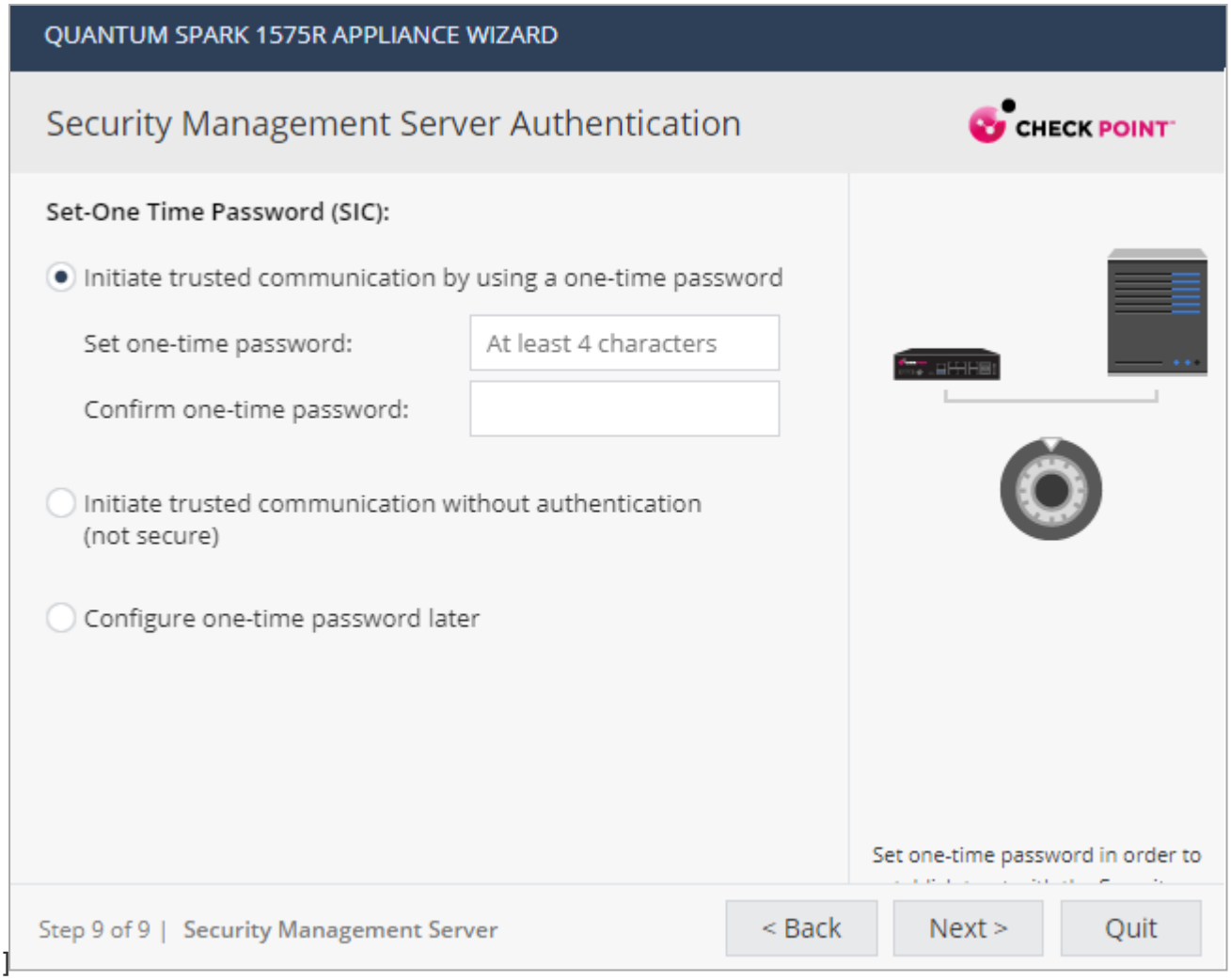
When you select central management as your security policy management method, the **Security Management Server Authentication** page opens.

Select an option to authenticate trusted communication with the Security Management Server:

- **Initiate trusted communication securely by using a one-time password** - The one-time password is used to authenticate communication between the appliance and the Security Management Server securely.

  Enter a **one-time password** and confirm it. This password is only used for establishing the initial trust. When established, trust is based on security certificates.

  Important - This password must be identical for the Secure Communication authentication one-time password configured for the appliance object in the SmartConsole of the Security Management Server.
- **Initiate trusted communication without authentication (not secure)** - Use this option only if there is no risk of malicious behavior (for example, when in a lab setting).
- **Configure one-time password later** - Set the one-time password at a different time using the WebUI application.



Security Management Server Connection

For Centrally managed appliances only:

After you set a one-time password for the Security Management Server and the appliance, you can connect to the Security Management Server to establish trust between the Security Management Server and the appliance.

To connect to the Security Management Server, select one of these:

- **Connect to the Security Management Server now**.
- **Connect to the Security Management Server later**.

If you select to connect now, enter the data for these fields:

- **Management address** - Enter the IP address or host name of the Security Management Server.
- **Connect** - When you successfully connect to the Security Management Server, the security policy will automatically be fetched and installed.

- If the Security Management Server is deployed behind a 3rd party NAT device, select **Always use the above address to connect to the Security Management Server**. Manually enter the IP address or the host name of the appliance should connect to reach the Security Management Server.

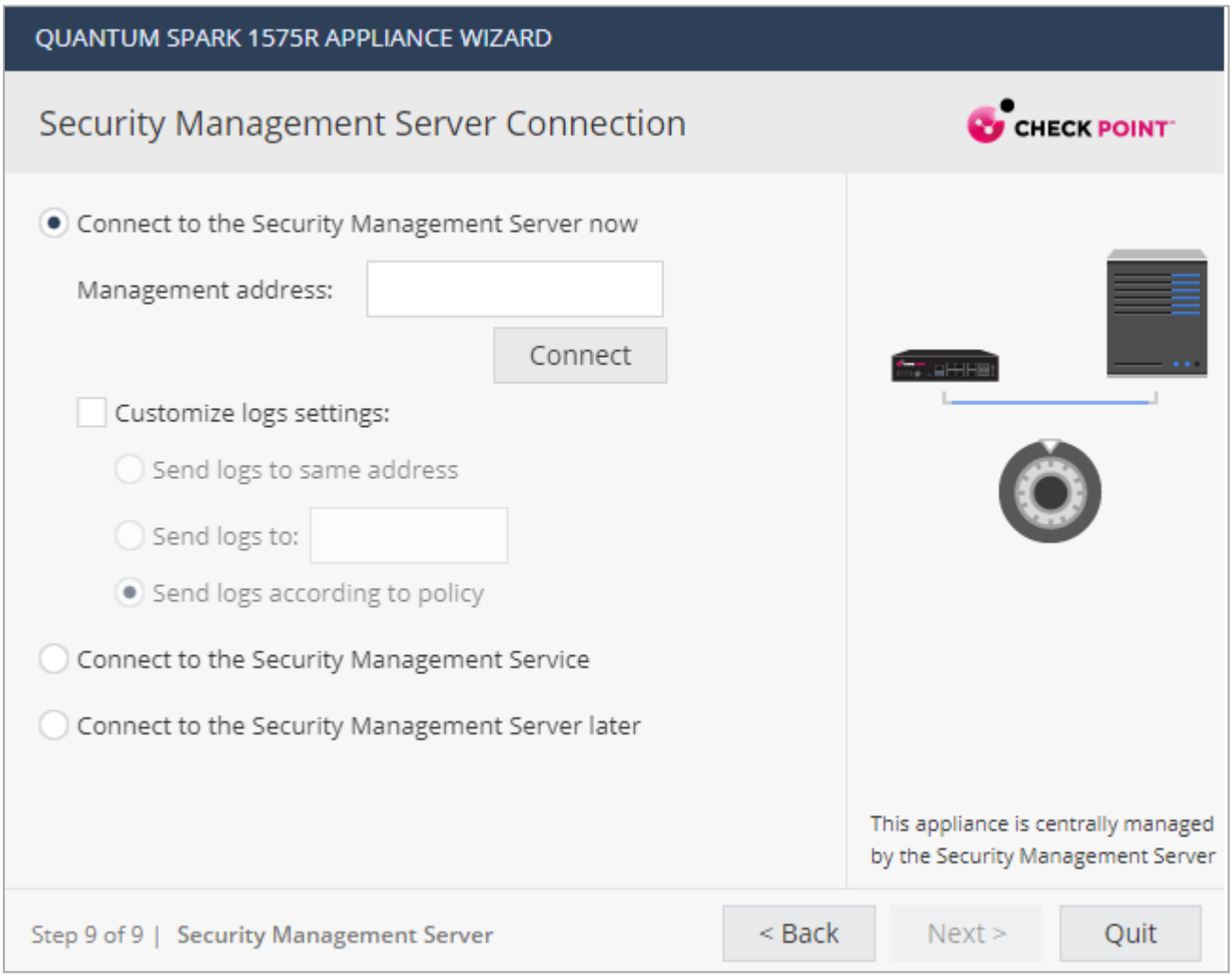
  If you enter an IP address, it will override the automatic mechanism that determines the routable IP address of the Security Management Server for each appliance.

  If you enter a host name, it is saved and the Security Gateway will re-resolve the name of the IP address changes. This configuration can be edited later in the **Home** > **Security Management** page of the WebUI.

  If you do not select this checkbox and you use a host name to fetch the policy, when the policy is fetched, the Security Management Server IP is set to the IP address in the policy.

  Select where to send logs:

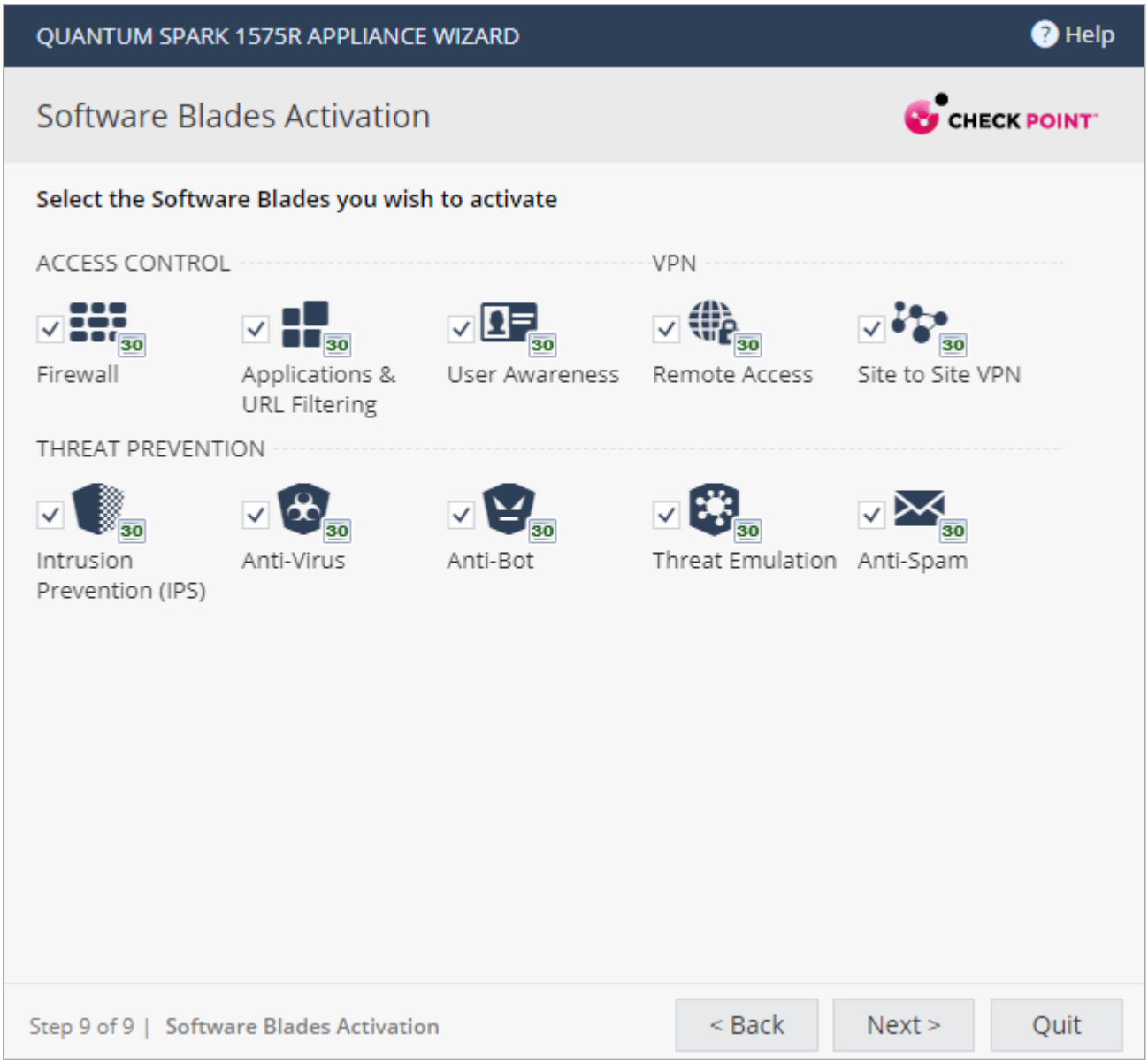
  - **Send logs to same address** - The logs are sent to the IP address entered on this page for the Security Management Server.
  - **Send logs to** - Enter the IP address of a log server.
  - **Send logs according to policy** - The logs are sent according to the log server definitions that are defined in the policy.



Software Blade Activation

Select the Software Blades to activate on this appliance.

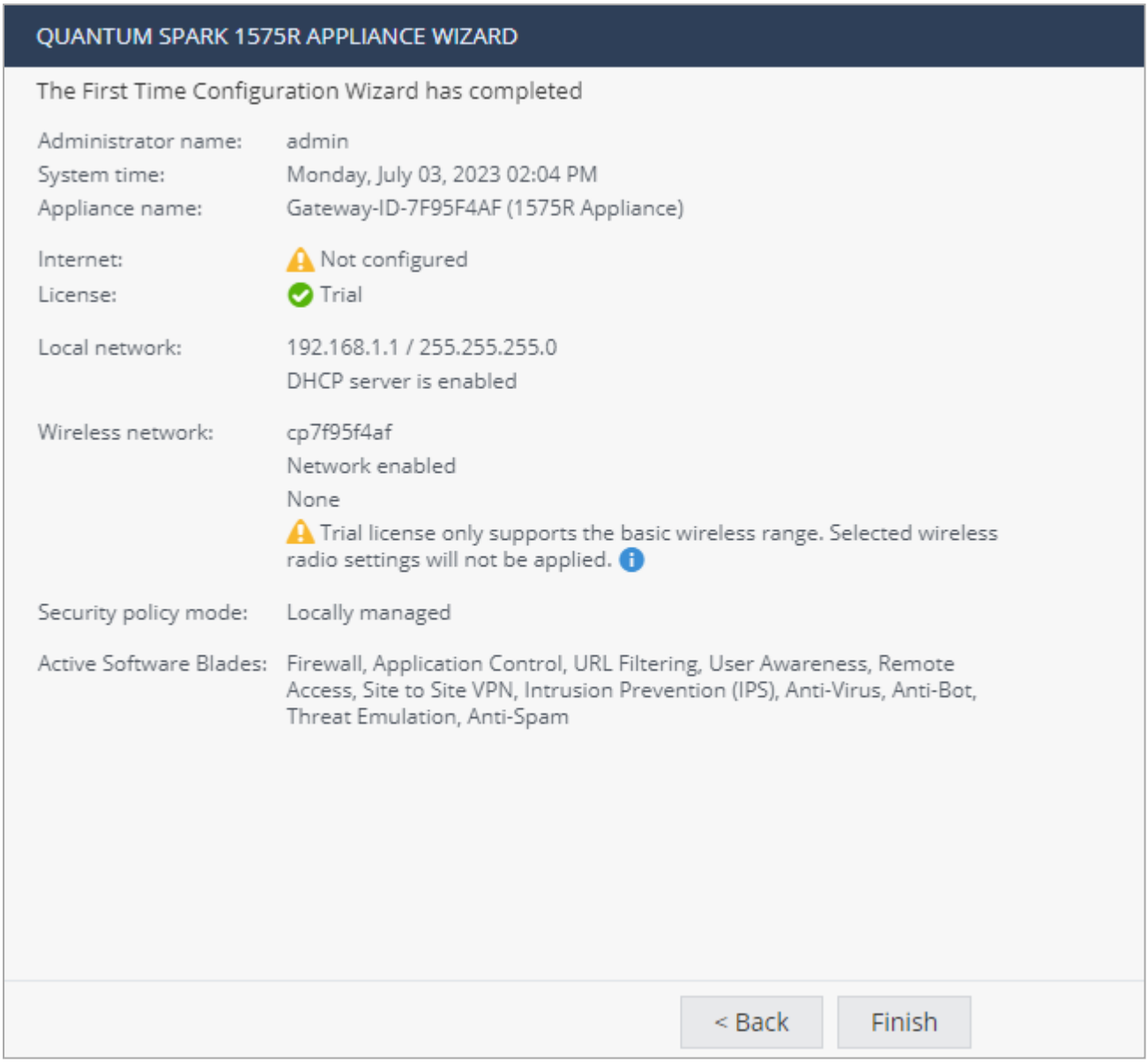
QoS (bandwidth control) can only be activated from the WebUI after completing the First Time Configuration Wizard.



Summary

The **Summary** page shows the details of the elements configured with the First Time Configuration Wizard.

Click **Finish** to complete the First Time Configuration Wizard.



The WebUI opens on the **Home** > **System** page.

To back up the system configuration in the WebUI:

Go to **Device** > **System Operations** > **Backup**.

Zero Touch Cloud Service

The Zero Touch Cloud Service lets you easily manage the initial deployment of your gateways in the Zero Touch portal.

Zero Touch enables a gateway to automatically fetch settings from the cloud when it is connected to the internet for the first time.

Note - If you already used the First Time Configuration Wizard to configure your appliance, you cannot use the Zero Touch Cloud service. If you start the First Time Configuration Wizard while the Zero Touch settings are being installed, the installation process terminates.

If the gateway connects to the internet via DHCP, the gateway will fetch the Zero Touch settings without any additional action. If no DHCP service is available, you must run the First Time Configuration Wizard, configure the Internet Connection settings, and then fetch the settings from the Zero Touch server.

To connect to the Zero Touch server from the First Time Configuration Wizard:

1. In the **Welcome** page of the First Time Configuration Wizard, click **Fetch Settings from the cloud**.
2. In the window that opens, click **Yes** to confirm that you want to proceed.
3. The **Internet connection** page of the First Time Configuration Wizard opens. Configure your Internet connection and click **Connect**.

   The settings are automatically downloaded and installed.

   A new window opens and shows the installation status. It may take several minutes until the installation is complete.

When you reconnect to the appliance WebUI or click **Refresh**, you may see one of these:

- **Login** page - This means the process ended successfully and your settings are installed.
- **Welcome** page of the First Time Configuration Wizard - The process is still running. The settings are installing or they do not exist in the cloud.

  Note - If you click **Next** on the **Welcome** page, the Zero Touch settings installation process terminates.

- **Page not found** - The appliance local IP address may have been changed by the cloud settings installation. Try `http://my.firewall` or consult your administrator for the new local IP address.

After the gateway downloads and successfully applies the settings, it does not connect to the Zero Touch server again.

For more information on how to use Zero Touch, see sk116375 and the *R80.20 ZeroTouch Web Portal Administration Guide*.

USB Drive or SD Card

The USB drive can be used for rapid deployment of configuration files, or to install an image, without using the First Time Configuration Wizard.

The configuration file lets you configure more settings and parameters than are available in the First Time Configuration Wizard

You can deploy configuration files in these conditions:

- An appliance with default settings is not configured at all.
- An appliance that already has an existing configuration.

The appliance starts, automatically mounts the USB drive, and searches the root directory for a configuration file.

Note - The USB drive must be formatted in FAT32.

Health and Safety Information

Read these warnings before setting up or using the appliance.

Warning - Do not block air vents. A minimum 1/2 inch (1,27 cm) clearance is required.

Warning - This appliance does not contain any user-serviceable parts. Do not remove any covers or attempt to gain access to the inside of the product. Opening the device or modifying it in any way has the risk of personal injury and will void your warranty. The following instructions are for trained service personnel only.

Power Supply Information

To reduce potential safety issues with the DC power source, only use one of these:

- The AC adapter supplied with the appliance.
- A replacement AC adapter supplied by Check Point.
- An AC adapter purchased as an accessory from Check Point.

To prevent damage to any system, it is important to handle all parts with care. These measures are generally sufficient to protect your equipment from static electricity discharge:

- Restore the communications appliance system board and peripherals back into the antistatic bag when they are not in use or not installed in the chassis. Some circuitry on the system board can continue operating when the power is switched off.
- Do not allow the lithium battery cell used to power the real-time clock to short. The battery cell may heat up under these conditions and present a burn hazard.

  Warning - DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

- Do not dispose of batteries in a fire or with household waste.
- Contact your local waste disposal agency for the address of the nearest battery deposit site.
- Avoid short-circuiting the lithium battery; this can cause it to superheat and cause burns if touched.

IMPORTANT SAFETY INSTRUCTIONS: When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- This equipment is not suitable for use in locations where children are likely to be present.
- Make sure to connect the power cord to a socket-outlet with a grounded connection.
- Never open the equipment. For safety reasons, the equipment should be opened only by a qualified skilled person.
- Product working temperature up to 75° C. The equipment intended use is in a restricted access area.

  This is a Class 1 Laser product. Use only IEC 60825-1 certified Optical Transceiver product with minimum operating temperature at 75°C.

Caution: Hot Surface - Do not touch the device while it is attached to a power source.

Caution: To reduce the risk of fire, use only No. 14 AWG or larger (for example, 12 AWG) UL Listed or CSA Certified Telecommunication Line Cord.

For California:

Perchlorate Material - special handling may apply. See
`http://www.dtsc.ca.gov/hazardouswaste/perchlorate`

The foregoing notice is provided in accordance with California Code of Regulations Title 22, Division 4.5, Chapter 33. Best Management Practices for Perchlorate Materials. This product, part, or both may include a lithium manganese dioxide battery which contains a perchlorate substance.

Proposition 65 Chemical

Chemicals identified by the State of California, pursuant to the requirements of the California Safe Drinking Water and Toxic Enforcement Act of 1986, California Health & Safety Code s. 25249.5, et seq. ("Proposition 65"), that is "known to the State to cause cancer or reproductive toxicity." See
`http://www.calepa.ca.gov`

WARNING:

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

Declaration of Conformity

Manufacturer's Name:	Check Point Software Technologies Ltd.
Manufacturer's Address:	5 Shlomo Kaplan Street, Tel Aviv 67897, Israel
Model Number:	V-81R, V-81WLR
Product Options:	1570R, 1570WLR Appliances
Date First Applied:	August 2020

Declares under our sole responsibility, that the products conform to the following Product Specifications:

RF/Wi-Fi (*marked model), Cellular (**marked model)

Certification New	Type
CE EN 55032:2015 + AC:2016, Class B CE EN 55032:2012 + AC:2013, Class B CE EN 55024:2010 / A1:2015 CE EN 55024:2010 FCC Part15B ICES-003 T Mark AS/NZS CISPR32 VCCI, V-3/2015.4, V4/2012.04, Class B VCCI CISPR 32:2016 *EN300 328 *EN301 893 *ETSI EN301 489-1 *ETSI EN301 489-1-17 *EN62311:2008 *EN50386:2002, EN50383:2010 *AS/NZS 4268:2017 *FCC Part15C+E *RSS-247 *RSS-102 *JP ARIB STD-T66 *JP ARIB STD-T71 **AS/CS S042/1/4:2018 **EN 303 413 **EN 308 901-1 **FCC Part 22, subp H **FCC Part 24. subp E **FCC Part 27 subp C, H, F,L **FCC Part 27 subp C, M **FCC part 90 subp I,S **AS/NZS:ACMAEMR,AS/CAS042.1,4 **EN301489-1,7,24,52 **EN301908-1,2,13 **EN50385:2017MPE **FCC47CFR Part 15 Subpart CFCC47CFR Part 2MPE **FCC47CFR Part 24 Cellular Transmitter Certification **RSS102/247 **RSS130 **RSS132 **RSS133 **RSS139 **RSS199 **PTCRB GCF	EMC, *RF/Wi-Fi, **Cellular

Certification New	Type
IEC/EN 62368-1 IEC/EN 60950-1 UL 62368-1	Safety
DNVGL-CG-0339 IEC 60945 IACS E10	Maritime ▪ Marine application: rated voltage 24 VDC, 12 VDC power input connector is not applicable. ▪ Wall mount (for marine application). ▪ Operating ranges -40 ~ 70 deg. C for marine application.
IEEE 1613 IEC 61850-3	Industrial Sub Station * Comply while connecting both power inputs for power redundancy

Physical and environmental advisability	Description
Operating Conditions	Vibrations and Shock Based on EN 300 019-2-3.
Storage Conditions	Temperature: (-40)°C ~ 60°C. Humidity: 95%, non-condensed. Vibrations and Shock based on EN 300 019-2-1.
Transportation Conditions	Temperature: (-40)°C ~ 85°C. Humidity: 95%, non-condensed. Vibrations and Shock based on EN 300 019-2-2.

Date and Place of Issue: August 2020, Tel Aviv, Israel.

Testing lab

Address:	No 9 Harrison Road, Harrison Industrial Building, #05-01
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Ling Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Federal Communications Commission (FCC) Statement:

FCC SDOC

According to FCC Part 15

We, Check Point Software Technologies Ltd.

Address: Shlomo Kaplan St 5, / HaSolelim St 5 Tel Aviv-Yafo # 67897, Phone: +972-3-753-4555.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 29 centimeters between the radiator and your body.

For Country Code Selection Usage (WLAN Devices)

Note: The country code selection is for non-US models only and is not available to all US models. Per FCC regulation, all WiFi products marketed in the US must be fixed to US operation channels only.

Canadian Department Compliance Statement

Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 29 cm between the radiator & your body.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

The County Code Selection feature is disabled for products marketed in the US/ Canada.

FOR WLAN 5 GHz DEVICE:

Caution:

1. The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
3. The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
4. The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated. (For 5G B2 with DFS devices only)
5. Where applicable, antenna type(s), antenna models, and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.
6. Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

NOTICE: This equipment meets the applicable ISED Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that ISED technical specifications were met.

Japan Class B Compliance Statement:

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI－B

European Union (EU) Electromagnetic Compatibility Directive

This product is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2014/30/EU).This product was confirmed to comply with the requirements RED 2014/53/EU.

This product is in conformity with Low Voltage Directive 2014/35/EU, and complies with the requirements in the Council Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits and the Amendment Directive 93/68/EEC.

Product Disposal

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office or your household waste disposal service.

Information sur la Santé et la Sécurité

Avant de mettre en place ou d'utiliser l'appareil, veuillez lire les avertissements suivants.

Avertissement - Ne pas obturer les aérations. Il faut laisser au moins 1,27 cm d'espace libre.

Avertissement - Cet appareil ne contient aucune pièce remplaçable par l'utilisateur. Ne pas retirer de capot ni tenter d'atteindre l'intérieur. L'ouverture ou la modification de l'appareil peut entraîner un risque de blessure et invalidera la garantie. Les instructions suivantes sont réservées à un personnel de maintenance formé.xxx.

Information pour l'alimentation

Pour limiter les risques avec l'alimentation CC, n'utilisez que l'une des solutions suivantes:

- L'adaptateur secteur fourni avec l'appareil
- Un adaptateur secteur de remplacement, fourni par Check Point
- Un adaptateur secteur acheté en tant qu'accessoire auprès de Check Point

Pour éviter d'endommager tout système, il est important de manipuler les éléments avec soin. Ces mesures sont généralement suffisantes pour protéger votre équipement contre les décharges d'électricité statique:

- Remettez dans leur sachet antistatique la carte système et les périphériques de l'appareil de communications lorsqu'ils ne sont pas utilisés ou installés dans le châssis. Certains circuits sur la carte système peuvent rester fonctionnels lorsque si l'appareil est éteint.
- Ne jamais court-circuiter la pile au lithium (qui alimente l'horloge temps-réel). Elle risque de s'échauffer et de causer des brûlures.

  Avertissement - DANGER D'EXPLOSION SI LA PILE EST MAL REMPLACÉE. NE REMPLACER QU'AVEC UN TYPE IDENTIQUE OU ÉQUIVALENT, RECOMMANDÉ PAR LE CONSTRUCTEUR. LES PILES DOIVENT ÊTRE MISES AU REBUT CONFORMÉMENT AUX INSTRUCTIONS DE LEUR FABRICANT.

- Ne pas jeter les piles au feu ni avec les déchets ménagers.

- Pour connaître l'adresse du lieu le plus proche de dépôt des piles, contactez votre service local de gestion des déchets.
- Ne pas court-circuiter la pile au lithium: elle risque de surchauffer et de causer des brûlures en cas de contact.

INSTRUCTIONS DE SÉCURITÉ IMPORTANTES: Lorsque vous utilisez votre équipement téléphonique, des précautions de sécurité élémentaires doivent toujours être respectées afin de réduire le risque incendie, d'électrocution ou de blessures, comme celles qui suivent:

- Ne pas utiliser ce produit à proximité de l'eau, par exemple près d'une baignoire, d'un lavabo, d'un évier de cuisine ou de buanderie, dans un sous-sol humide ou près d'une piscine.
- Evitez d'utiliser un téléphone (autre qu'un téléphone sans fil) par temps de foudre. Les éclaires impliquent un risque faible d'électrocution.
- N'utilisez pas la téléphone pour signaler une fuite de gaz si vous vous tenez près de cette fuite.
- Utilisez uniquement le cordon alimentation et les piles indiquées dans ce manuel. Ne pas jeter les piles au feu. Elles risquent d'exploser. Consultez les réglementations locales pour toute instruction spécifique concernant leur élimination.
- Cet équipement ne convient pas pour une utilisation dans des endroits où des enfants sont susceptibles d'être présents.
- Veillez à connecter le cordon d'alimentation à une prise de courant reliée à la terre.
- N'ouvrez jamais l'équipement. Pour des raisons de sécurité, les équipements ne doivent être ouverts que par un homme de métier qualifié.
- Température de fonctionnement du produit jusqu'à 75 ° C.L'équipement destiné à être utilisé dans une zone à accès limité.

  Il s'agit d'un produit laser de classe 1. Utilisez uniquement un émetteur-récepteur optique certifié CEI 60825-1 avec une température de fonctionnement minimale à 75 degrés C.

Attention: Surface chaude - Ne touchez pas l'appareil lorsqu'il est connecté à une source d'alimentation.

Attention: Pour réduire tout risque d'incendie, utilisez uniquement un cordon de ligne téléphonique 14 AWG ou plus large (ex. 12 AWG) homologué UL et certifié CSA.

Pour la Californie:

Matériau perchlorate: manipulation spéciale potentiellement requise. Voir `http://www.dtsc.ca.gov/hazardouswaste/perchlorate`

L'avis suivant est fourni conformément au California Code of Regulations, titre 22, division 4.5, chapitre 33. Meilleures pratiques de manipulation des matériaux perchloratés. Ce produit, cette pièce ou les deux peuvent contenir une pile au dioxyde de lithium manganèse, qui contient une substance perchloratée.

Produits chimiques « Proposition 65

Les produits chimiques identifiés par l'état de Californie, conformément aux exigences du California Safe Drinking Water and Toxic Enforcement Act of 1986 du California Health & Safety Code s. 25249.5, et seq. (« Proposition 65 »), qui sont « connus par l'état pour être cancérigène ou être toxiques pour la reproduction» (voir `http://www.calepa.ca.gov`).

AVERTISSEMENT:

La manipulation de ce cordon vous expose au contact du plomb, un élément reconnue par l'état de Californie pour être cancérigène, provoquer des malformations à la naissance et autres dommages relatifs à la reproduction. Se laver les mains après toute manipulation.

Déclaration de conformité

Nom du constructeur:	Check Point Software Technologies Ltd.
Adresse du constructeur:	5 Shlomo Kaplan Street, Tel Aviv 67897, Israel
Numéro de modèle:	V-81R, V-81WLR
Options de produit:	1570R, 1570WLR Appliances
Date de demande initiale:	Août 2020

Déclare sous son entière responsabilité que les produits sont conformes aux normes produit suivantes:

RF/Wi-Fi (modèle signalé par *), Cellulaire (modèle signalé par **)

Certification Nouvelle	Type
CE EN 55032:2015 + AC:2016, Class B CE EN 55032:2012 + AC:2013, Class B CE EN 55024:2010 / A1:2015 CE EN 55024:2010 FCC Part 15B ICES-003 T Mark AS/NZS CISPR32 VCCI, V-3/2015.4 , V4/2012.04, Class B VCCI CISPR 32:2016 *EN300 328 *EN301 893 *ETSI EN301 489-1 *ETSI EN301 489-1-17 *EN62311:2008 *EN50386:2002, EN50383:2010 *AS/NZS 4268:2017 *FCC Part 15C+E *RSS-247 *RSS-102 *JP ARIB STD-T66 *JP ARIB STD-T71 **AS/CSS042/1/4:2018 **EN303413 **EN308901-1 **FCC Part 22, subpH **FCC Part 24.subpE **FCC Part 27 subp C,H,F,L **FCC Part 27 subp C,M **FCC part 90 subpI,S **AS/NZS:ACMAEMR,AS/CAS042.1,4 **EN301489-1,7,24,52 **EN301908-1,2,13 **EN50385:2017MPE **FCC47CFR Part 15 Subpart CFCC47CFR Part 2MPE **FCC47CFR Part 24 Certification des émetteurs cellulaires **RSS102/247 **RSS130 **RSS132 **RSS133 **RSS139 **RSS199 **PTCRB GCF	EMC, *RF/Wi-Fi, **Cellulaire

Certification Nouvelle	Type
IEC/EN 62368-1 IEC/EN 60950-1 UL 62368-1	Sécurité
DNVGL-CG-0339 IEC 60945 IACS E10	Maritime ■ Application marine: tension nominale 24 VDC, le connecteur d'entrée d'alimentation 12 VDC n'est pas applicable. ■ Support mural (pour application marine). ■ Plages de fonctionnement -40 ~ 70 deg. C pour application marine.
IEEE 1613 IEC 61850-3	Sous-station industrielle

Fiabilité physique et environnementale	Description
Conditions de fonctionnement	Vibrations et chocs selon EN 300 019-2-3.
Conditions de stockage	Température: (- 40) ° C ~ 60 ° C. Humidité: 95%, sans condensation. Vibrations et chocs selon EN 300 019-2-1.
Conditions de transport	Température: (-40) ° C ~ 85 ° C. Humidité: 95%, sans condensation. Vibrations et chocs selon EN 300 019-2-2.

Date et lieu d'émission: Août 2020, Tel Aviv, Israël.

Laboratoire d'essais

Adresse:	No 9 Harrison Road, Harrison Industrial Building, #05-01
Délivré par:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Ling Kou Laboratories
Adresse du laboratoire:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Déclaration à la Federal Communications Commission (FCC)

Selon section 15 des réglementations de la FCC

Nous, Check Point Software Technologies Ltd.

Adresse: Shlomo Kaplan St 5, / HaSolelim St 5 Tel Aviv-Yafo # 67897, Phone: +972-3-753-4555.

Ce dispositif est conforme à la section 15 des réglementations de la FCC. Son fonctionnement est soumis aux deux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférence préjudiciable et (2) Cet appareil doit tolérer toute interférence reçue, y compris celles qui pourraient causer un fonctionnement indésirable.

Partie responsable

Nom de la compagnie: Check Point Software Technologies Inc.

Adresse de la compagnie: 959 Skyway Road Suite 300, San Carlos, CA 94070

Téléphone: 1-800-429-4391

Cet équipement a été testé et déclaré conforme aux limites pour appareils numériques de classe B, selon la section 15 des règlements de la FCC. Ces limitations sont conçues pour fournir une protection raisonnable contre les interférences nocives dans un environnement résidentiel. Cet appareil génère, et peut diffuser des fréquences radio et, dans le cas d'une installation et d'une utilisation non conforme aux instructions, il peut provoquer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie qu'aucune interférence ne se produira dans le cadre d'une installation particulière. Si cet appareil provoque des interférences avec un récepteur radio ou un téléviseur, ce qui peut être détecté en mettant l'appareil sous et hors tension, l'utilisateur peut essayer d'éliminer les interférences en suivant au moins l'une des procédures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'appareil et le récepteur.
- Brancher l'appareil sur une prise appartenant à un circuit différent de celui sur lequel est branché le récepteur.
- Consulter le distributeur ou un technicien radio/télévision qualifié pour obtenir de l'aide.

FCC Attention

- Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait empêcher l'utilisateur autorisé de faire fonctionner cet appareil.
- Cet émetteur ne doit pas être installé ou utilisé en conjonction avec d'autres antennes ou émetteurs.
- Les opérations dans la bande 5.15-5.25GHz sont limitées à une utilisation en intérieur.

Déclaration à la FCC sur l'exposition aux rayonnements

Cet équipement respecte les limites de la FCC en matière d'exposition aux rayonnements radio, pour un environnement non contrôlé. Cet équipement doit être installé et utilisé en réservant au moins 29 cm entre l'élément rayonnant et l'utilisateur.

Concernant la sélection du code pays (appareils WLAN)

Remarque: la sélection du code pays est uniquement pour les modèles hors Etats-Unis, et reste indisponible pour tout modèle vendus aux États-Unis. Selon la règlementation FCC tous les produits WIFI commercialisés aux Etats-Unis sont fixés uniquement sur des canaux américains.

Déclaration de conformité du département Canadien

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de cm de distance entre la source de rayonnement et votre corps.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage, et
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

POUR WLAN 5 GHz DISPOSITIF:

Avertissement:

1. Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
2. Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;
3. Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
4. Les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués. (Pour 5G B2 avec les périphériques DFS uniquement)
5. Lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.
6. De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Restrictions concernant le raccordement de matériel

Avis: Le présent matériel est conforme aux spécifications techniques d'ISED applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'ISED ont été respectées.

Déclaration de conformité de classe B pour le Japon

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI－B

Directive de l'Union européenne relative à la compatibilité électromagnétique

Ce produit est certifié conforme aux exigences de la directive du Conseil concernant le rapprochement des législations des États membres relatives à la directive sur la compatibilité électromagnétique (2014/30/EU). Ce produit a été confirmé conforme aux exigences RED 2014/53 / EU.

Ce produit est conforme à la directive basse tension 2014/35/EU et satisfait aux exigences de la directive 2014/35/EU du Conseil relative aux équipements électriques conçus pour être utilisés dans une certaine plage de tensions, selon les modifications de la directive 93/68/CEE.

Mise au rebut du produit

Ce symbole apposé sur le produit ou son emballage signifie que le produit ne doit pas être mis au rebut avec les autres déchets ménagers. Il est de votre responsabilité de le porter à un centre de collecte désigné pour le recyclage des équipements électriques et électroniques. Le fait de séparer vos équipements lors de la mise au rebut, et de les recycler, contribue à préserver les ressources naturelles et s'assure qu'ils sont recyclés d'une façon qui protège la santé de l'homme et l'environnement. Pour obtenir plus d'informations sur les lieux où déposer vos équipements mis au rebut, veuillez contacter votre municipalité ou le service de gestion des déchets.

Support

For technical assistance, contact Check Point 24 hours a day, seven days a week at:

- +1 972-444-6600 (Americas)
- +972 3-611-5100 (International)

When you contact support, you must provide your MAC address.

For more technical information, go to: *Check Point Support Center*.

To learn more about the Check Point Internet Security Product Suite and other security solutions, go to: https://www.checkpoint.com