



QUANTUM

15 December 2022

QUANTUM SPARK 1570 / 1590 APPLIANCE

Getting Started Guide

Models: V-81, V-81W, V-81WL, V-81WD [Classification: Protected]



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Important Information



Latest Software

We recommend that you install the most recent software release to stay up-to-date with the latest functional improvements, stability fixes, security enhancements and protection against new and evolving attacks.



Certifications

For third party independent certification of Check Point products, see the [Check Point Certifications page](#).



Check Point 1500 Appliances

For more about the 1500 Appliance Series, see the 1500 Appliance [home page](#).



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Revision History

| Date | Description |
|-------------------|--|
| 15 December 2022 | Updated LTE LED behavior in "Front Panel" on page 22 |
| 28 July 2022 | Updated URL link |
| 30 August 2021 | Updated compliance information (Japan Class B Compliance Statement) |
| 25 April 2021 | Added "DSL SFP Transceiver" on page 15 |
| 17 February 2021 | Added LTE Antenna information |
| 11 February 2021 | Rebranded as Quantum Spark Appliances |
| 19 November 2020 | Updated links |
| 07 September 2020 | Added WiFi-DSL models |
| 30 June 2020 | General updates |
| 24 February 2020 | Added WiFi-LTE models |
| 26 September 2019 | 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 more information about the appliance, see the *Quantum Spark 1500, 1600 and 1800 Appliance Series Administration Guide*.

For more technical information, go to [Check Point Support Center](#).

Shipping Carton Contents

| Item | Quantity | Description |
|------------------------|-------------|---|
| Appliance | 1 | 1570 / 1590 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. |
| Power adapter | 1 | AC to 12VDC desktop, black color. <ul style="list-style-type: none"> ▪ 40W for wired. ▪ 60W for WiFi, WiFi-LTE, WiFi-DSL. |
| Power cord for adapter | 1 | Plug types: US, UK, EU and AUS/NZ, India, China, Japan. |
| Rubber feet | 4 | Assembled on the appliance. |
| Wall mount kit | 1 2 2 | Includes drilling hole location sticker. Screws: M4x6, truss screw. Screw anchors. |
| Antenna | 4 2 | WiFi Antenna, RP-SMA connector, black color (for WiFi models only). LTE Antenna, RP-SMA connector, black color (for LTE models only). |
| DSL Cable | 1 | 1.8M, RJ11-TAE cable for Annex B or RJ11-RJ11 cable for Annex A, white color. |
| Guides | 1 1 | <i>Quantum Spark 1570 / 1590 Appliance Quick Start Guide.</i> <i>SIM Installation Guide (for LTE models only).</i> |
| License Agreement | 1 | End user license agreement. |

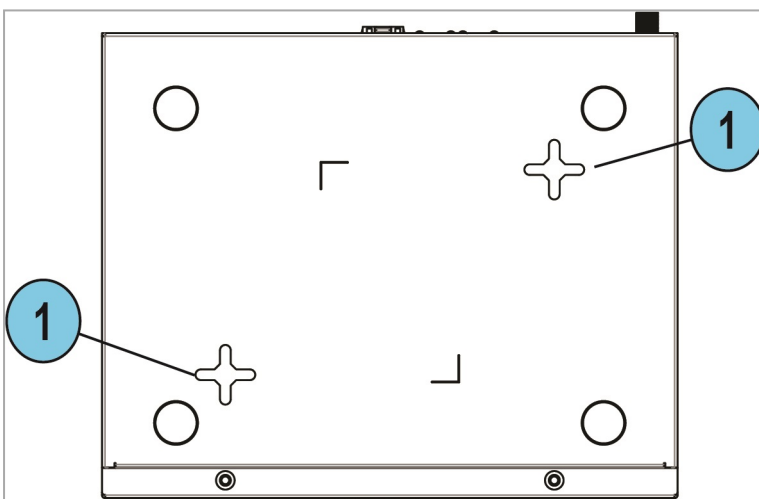
Setting up the Appliance

1. Remove the Quantum Spark 1570 / 1590 Appliance from the shipping carton and place it on a tabletop.
2. **Optional** - Remove the transparent protective sticker from the front panel of the appliance.
3. Attach antennas to the model (WiFi and LTE model only).
4. Identify the network interface marked as LAN1. This interface is preconfigured with the IP address 192.168.1.1.

Wall Mounting

To mount the appliance to the wall:

1. Place the wall-mount sticker on the wall and drill two holes for the screws.
2. Insert the 2 screw anchors in 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.



| Key | Item | Description |
|-----|--------------------------------------|--------------------|
| 1 | Holes on the bottom of the appliance | Attach screws here |

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 on the back panel of the appliance and to the network adapter on your PC.
4. **Optional: Connect the console cable to the console port on the back of the appliance, and to a USB port on a supported terminal.**

- a. The baud rate should be set to 115200.

Set the Flow control to **None**.

- b. To get the console driver, click: <https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers>
- c. Verify the MD5 and SHA256 are the following:
 - MD5 - c0b27c9b0f3a3ed53927a4857853a2cb
 - SHA 256 -
5d8fa117cd499a50cab895f35d50d108a61e80b6a3f6d2ecbffa8949085b8f2e

5. **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.

For DSL appliances only: Connect the telephone cable to the DSL port on the appliance back panel and plug it into the DSL line socket. The DSL LED as well as the Internet LED remains off until you configure the appliance, including setting up the DSL as an internet connection.

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

First Time Deployment Options

There are different options for first time deployment of your gateways:

- ["Using the First Time Configuration Wizard" on page 36](#)
- ["Zero Touch Cloud Service" on page 61](#)
- ["USB Drive or SD Card" on page 62](#)

3G/4G/LTE

The 1590 LTE (CPAP-SG1590WLTE*) supports these features:

*The suffix defines the country/region.

- Embedded modem that supports the latest advanced 4G/LTE, with fallback to 3G HSPA+ networks in North America, Europe, and Asia.
- Worldwide LTE coverage with just two product variants: one for North America and EMEA, and one for Asia-Pacific.
- Dual SIM functionality is supported to enable automatic fail over between SIMs.
- 4G/LTE supports CAT6, while 3G supports HSPA+ and UMTS (no 2G support).
- Peak download rate is 300Mbps and uplink of 50Mbps.
- Two external antennas (RP-SMA type, Main, and Diversity) to allow the best RF signal and coverage.

Frequency and bands supported:

4G/LTE Radio frequency and bands

| Region/country | Frequency (MHz) | Band |
|--------------------|-----------------|------|
| APAC and Australia | 2100 | 1 |
| | 1800 | 3 |
| | 850 | 5 |
| | 2600 | 7 |
| | 900 | 8 |
| | 700 | 28 |
| EMEA | 2100 | 1 |
| | 1800 | 3 |
| | 2600 | 7 |
| | 900 | 8 |
| | 800 | 20 |

| Region/country | Frequency (MHz) | Band |
|----------------|-----------------|-----------------|
| North America | 1900 | 2 |
| | 1700 | 4 |
| | 850 | 5 |
| | 700 | 12 |
| | 700 | 13 |
| | 700 | 17 |
| | 1900 | 25 |
| | 850 | 26 |
| | 700 | 29 only Receive |
| Canada | 1900 | 2 |
| | 1700 | 4 |
| | 850 | 5 |
| | 2600 | 7 |
| | 700 | 13 |
| | 700 | 17 |
| | 700 | 29 only Receive |

3G Radio frequency and bands

| Region/Country | Band | Transmit Frequency (MHz) | Receive Frequency (MHz) |
|--------------------|------|--------------------------|-------------------------|
| APAC and Australia | 1 | 1920-1980 | 2110-2170 |
| | 5 | 824-849 | 869-894 |
| | 8 | 880-915 | 2110-2170 |
| EMEA | 1 | 1920-1980 | 2110-2170 |
| | 3 | 1710-1785 | 1805-1880 |
| | 8 | 880-915 | 925-960 |

| Region/Country | Band | Transmit Frequency (MHz) | Receive Frequency (MHz) |
|----------------|------|--------------------------|-------------------------|
| North America | 2 | 1850-1910 | 1930-1990 |
| | 4 | 1710-1755 | 2110-2155 |
| | 5 | 824-849 | 869-894 |
| Canada | 2 | 1850-1910 | 1930-1990 |
| | 4 | 1710-1755 | 2110-2155 |
| | 5 | 824-849 | 869-894 |

For more information on LTE, see [sk167276](#).

DSL SFP Transceiver

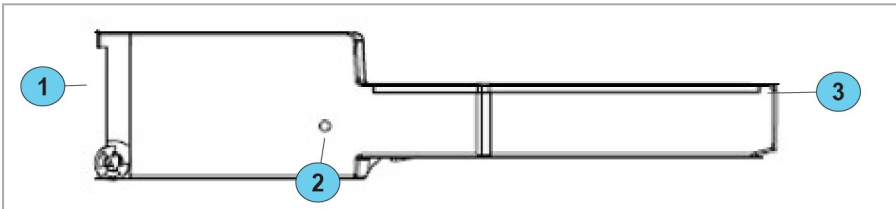
Introduction

Use the DSL SFP transceiver to configure a DSL connection over the DMZ port of your Quantum Spark 1590 WiFi-LTE appliance.

The DSL SFP transceiver supports all VDSL2 standards defined in ITU-T G.993.2, G.994.1, G.997.1, up to 17a profile.

The DSL SFP transceiver has an SFP connector on one end and the RJ45 port on the other end.

1. Insert the SFP connector end into the DMZ port on the Quantum Spark1590 WiFi-LTE appliance.
2. Connect the cable to the RJ45 port.



| Key | Item | Description |
|-----|---------------|--|
| 1 | RJ45 port | Attach the cable here. |
| 2 | LED | Indicates the DSL connection status. |
| 3 | SFP connector | Insert this end into the appliance DMZ port. |

Cable type depends on the model:

- CPAC-1500-TR-DSL delivered with RJ45 to RJ11, 1.8m cable
- CPAC-1500-TR-DSL-B delivered with RJ45 to TAE, 2m cable



Note - The RJ45 port on the transceiver uses only pins 4 and 5 for an analog input. No other pins are used.

There are two embedded LEDs in the RJ45 port of the transceiver:

| LED | State | Description |
|------------|--------------------------|-----------------------------|
| Orange LED | On | Default. |
| Green LED | Off | No DSL connection. |
| | Slow blinking | Idle |
| | Rapid blinking | DSL connection started. |
| | Solid color | DSL connection established. |
| | Extremely rapid blinking | Packet transmission |

Installing a DSL SFP Transceiver

You can install or remove the transceiver while the appliance is powered.

1. Align the transceiver with the DMZ port on the appliance. The SFP labels should face upward (be on the top of the device) when you insert the transceiver into the appliance port.
2. Push the transceiver into the DMZ port until it snaps into position.
The green LED starts to blink slowly.
3. Connect the cable to the RJ45 port on the transceiver.
4. The DSL connection starts.

It takes approximately 60 seconds to establish the connection. As this occurs, the green LED blinks rapidly and is a solid green when the process is complete.



Warning - Do not touch the SFP transceiver directly while it is operating, as the external surface becomes hot.

Removing a DSL SFP Transceiver

1. Disconnect the cables from the RJ45 port on the transceiver.
2. Pull the outward-facing end of the transceiver to release it from the DMZ port on the appliance.

xDSL (VDSL and ADSL)

This section is relevant only for the 1590 WiFi-DSL appliance with an embedded xDSL RJ11 port.

The xDSL port supports these VDSL2 and ADSL profiles and Annex:

- 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, and 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

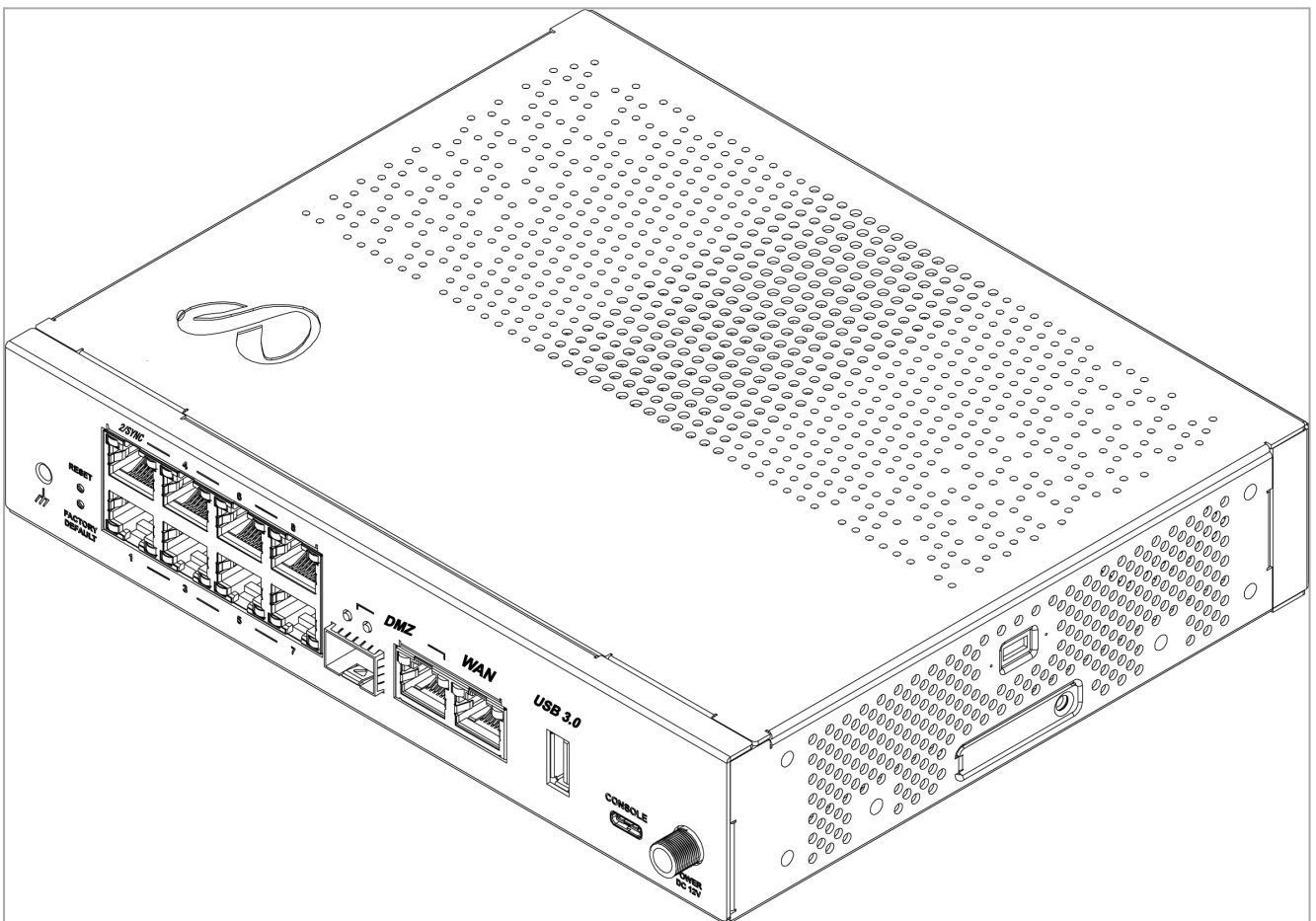
Appliance Diagrams and Specifications

This section describes the different features in the front, back, and side panels of these 1570 / 1590 Appliance models:

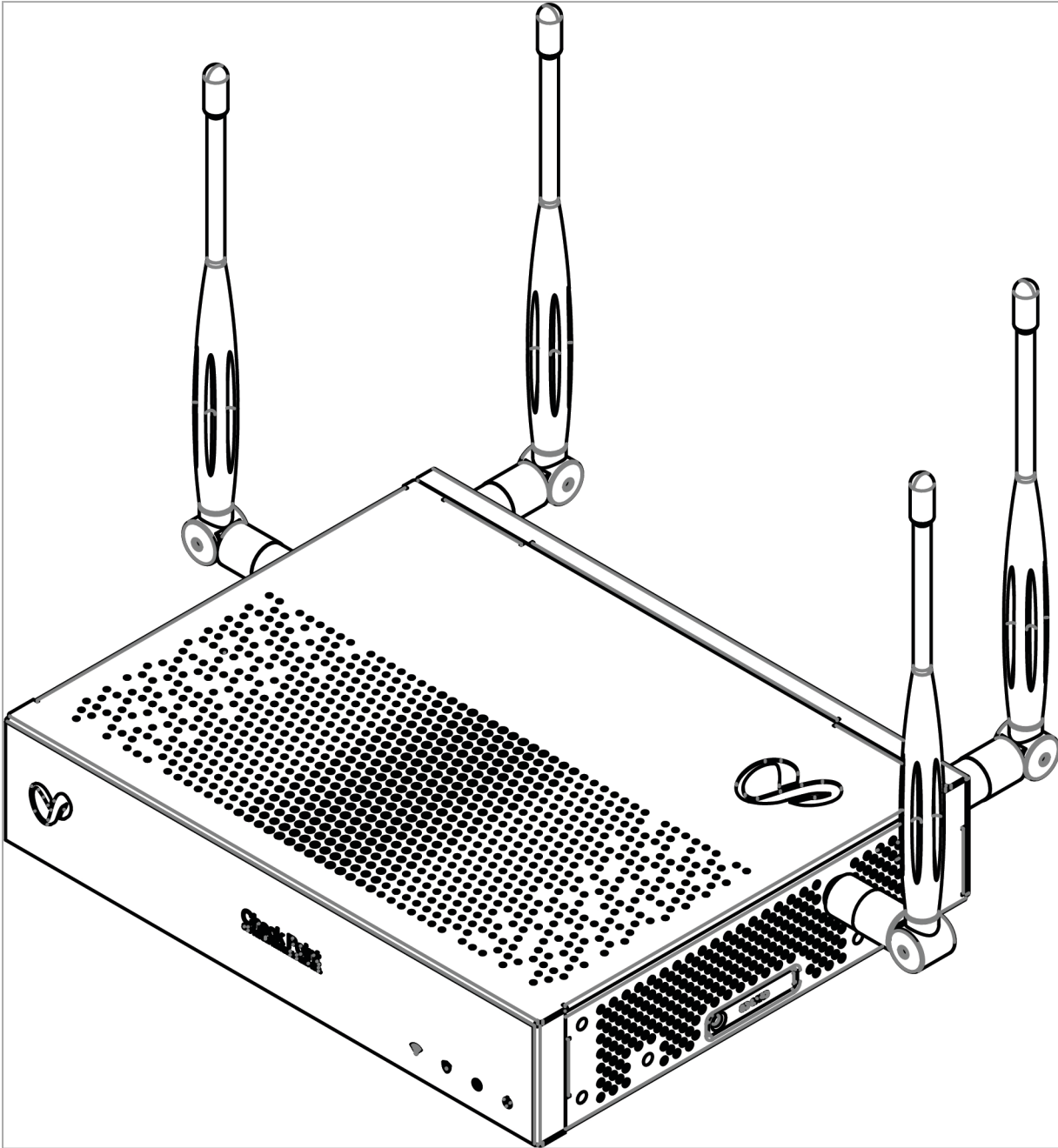
- Wired
- WiFi
- WiFi-LTE
- WiFi-DSL

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

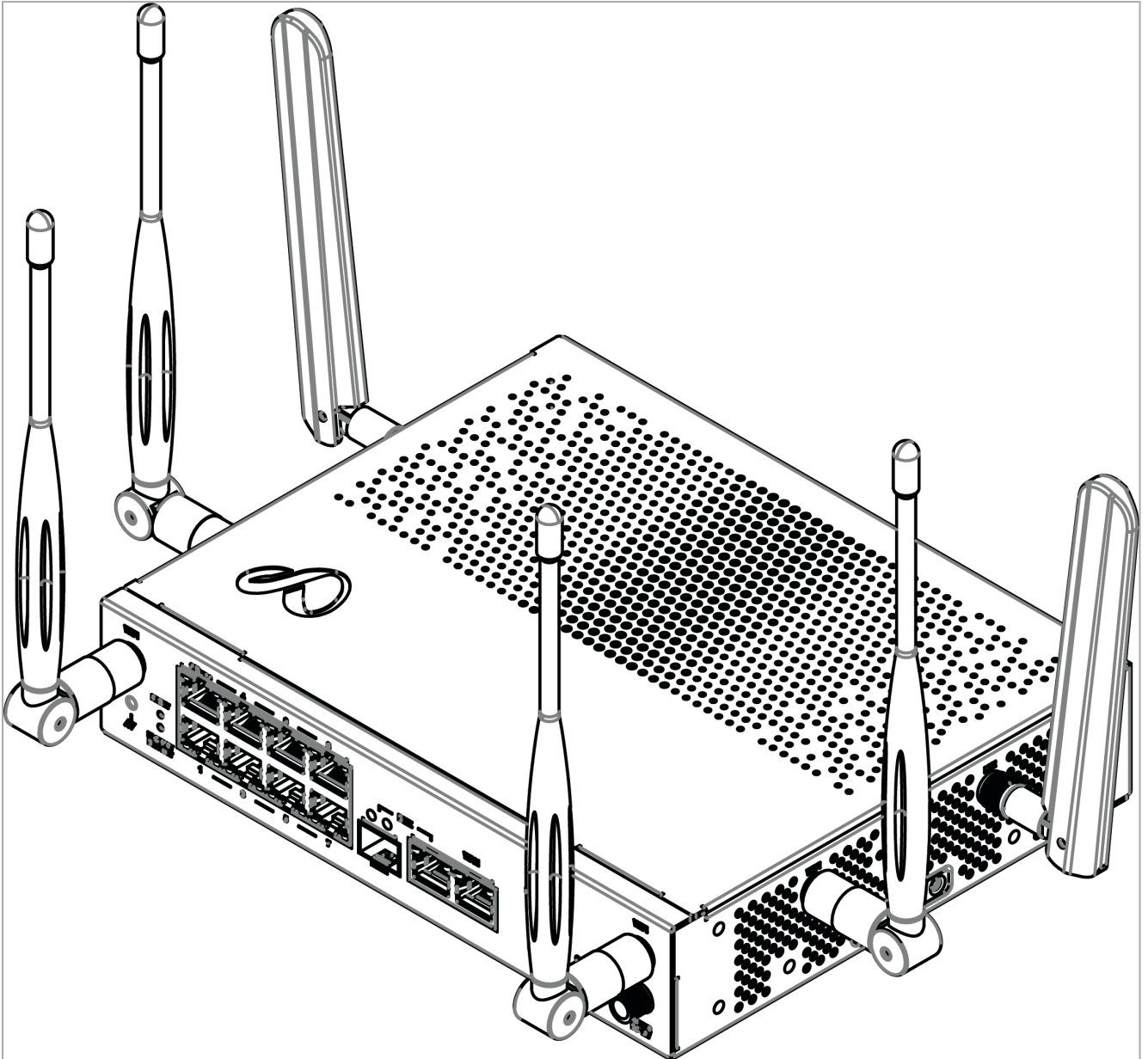
Wired



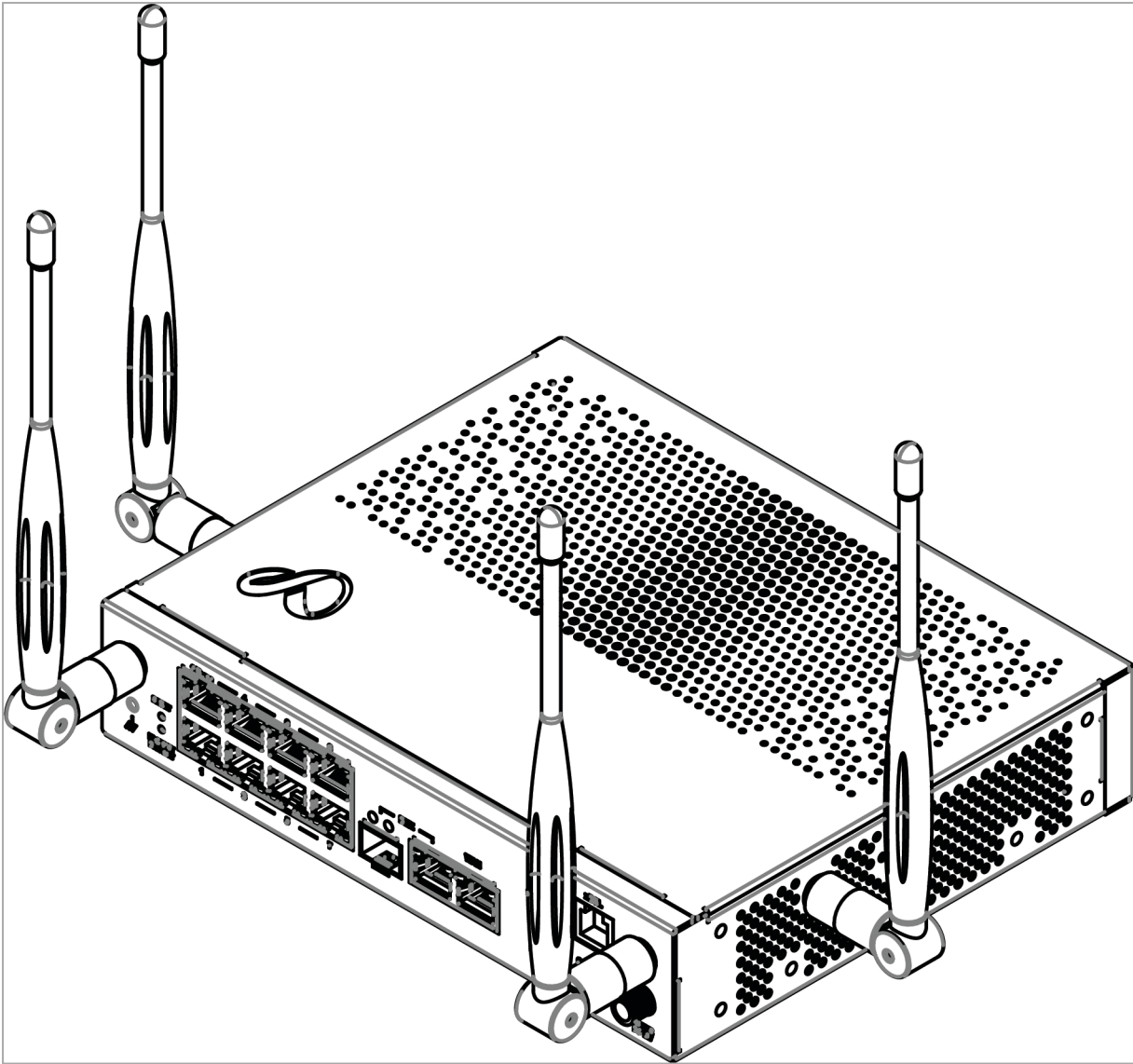
WiFi



WiFi-LTE



WiFi-DSL

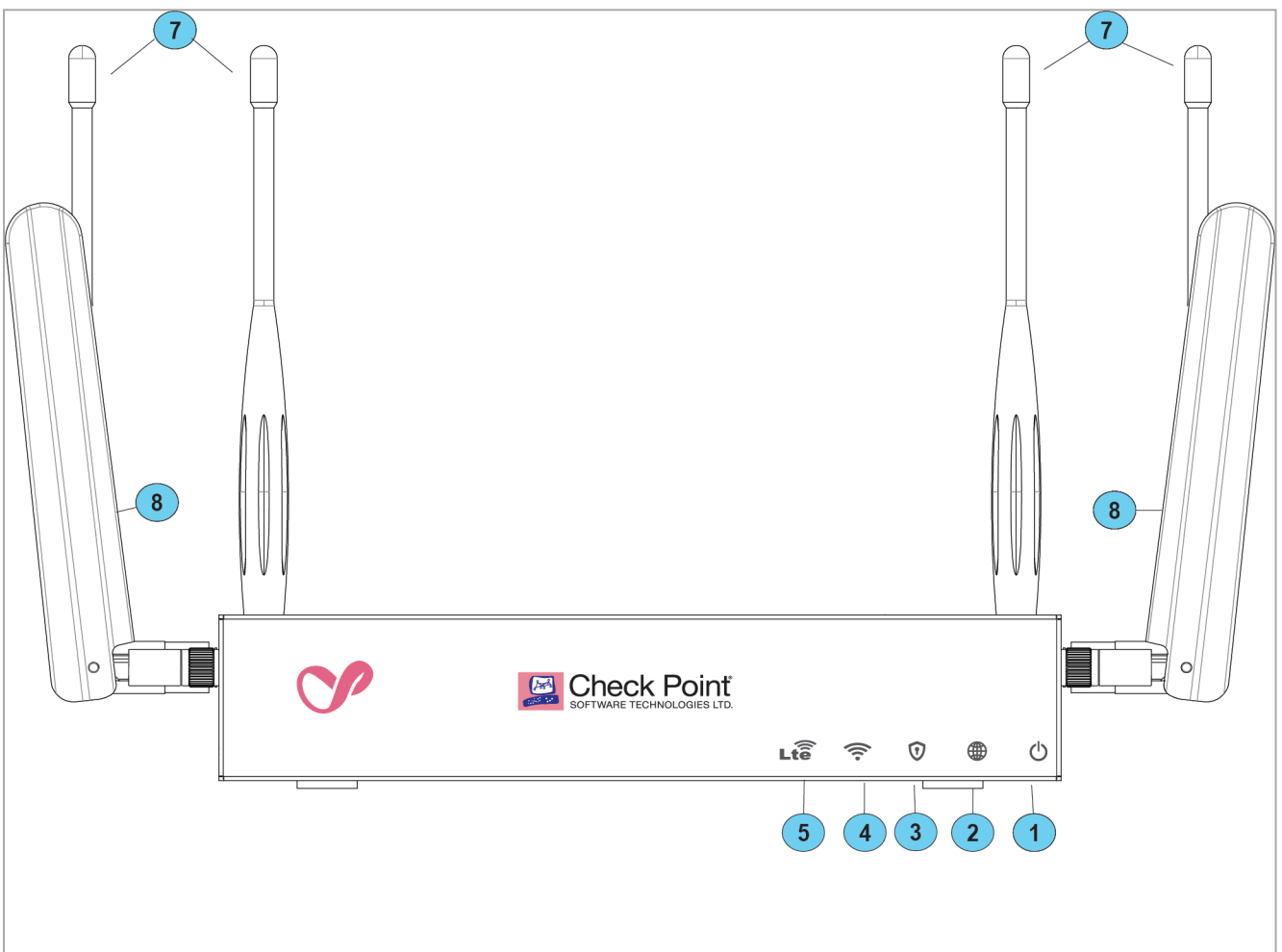


Front Panel

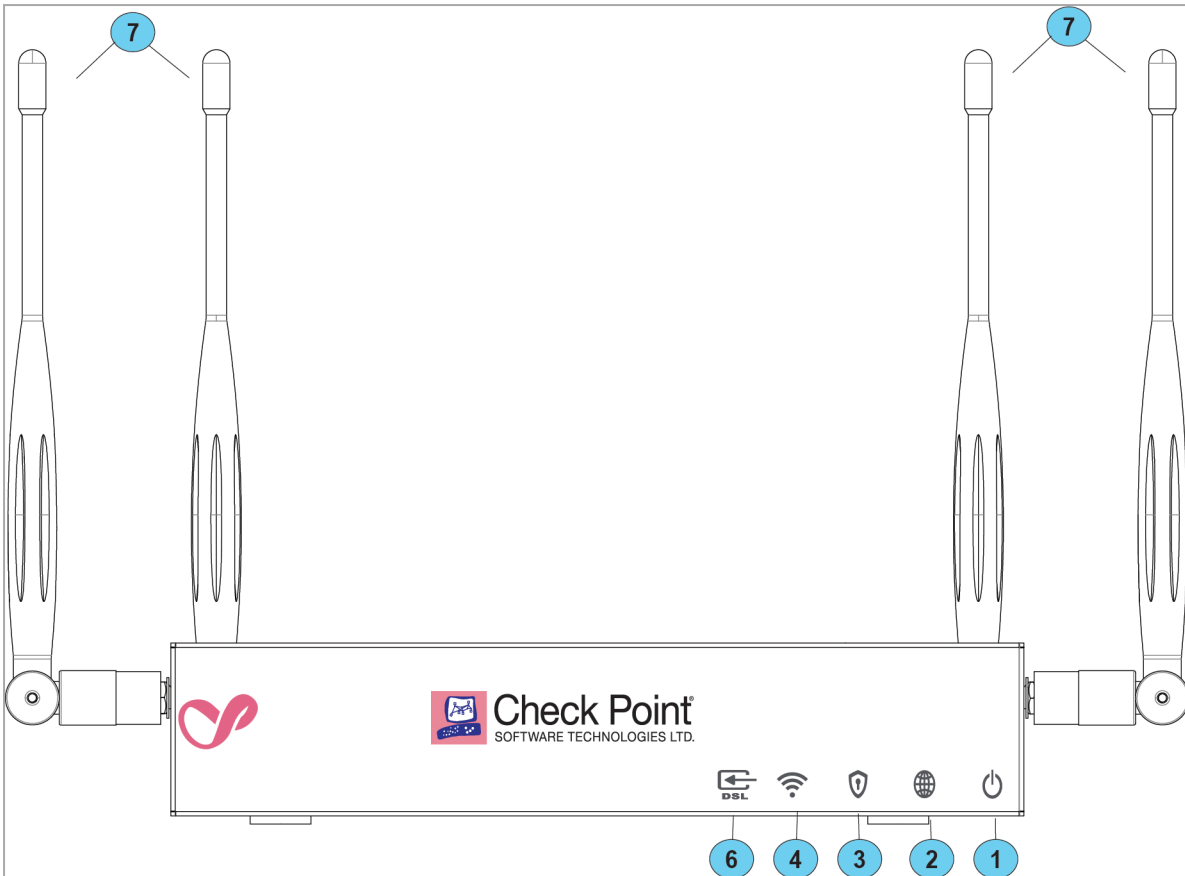
Wired / WiFi (antennas not shown)



WiFi-LTE



WiFi-DSL



Note - There is only one set of LEDs. The LED color (blue / red / purple) depends on what activity occurs.

Table: LEDs





| Key | Item | LED | Description |
|-----|-----------------------------|---|---|
| 1 | Power LED |  | <ul style="list-style-type: none"> ▪ Solid Blue - Normal operation ▪ Blinking Blue - Boot in progress or installing firmware. ▪ Red - Error/Alert <p>Note - This LED is red when the appliance is first turned on.</p> |
| 2 | Internet LED |  | <ul style="list-style-type: none"> ▪ Off - No internet connection ▪ Blinking Blue - Connecting to the Internet. ▪ Blue - Connected ▪ Blinking Red - Connection failure |
| 3 | Management LED |  | <ul style="list-style-type: none"> ▪ Off - No management ▪ Colors - See below |
| 4 | WiFi LED (WiFi models only) |  | <ul style="list-style-type: none"> ▪ Off - WiFi off ▪ Blue - WiFi on and operates normally ▪ Red - WiFi error/alert |

Table: LEDs (continued)



| Key | Item | LED | Description |
|-----|----------------------------------|--|---|
| 5 | LTE LED (WiFi-LTE model only) |  | <p>In versions R81.10.05 and higher:</p> <ul style="list-style-type: none"> ▪ Off - Cellular is off ▪ Slowly Blinking Blue - Connecting to the cellular network ▪ Solid Blue - Cellular internet connection is up and running on the LTE network ▪ Rapidly Blinking Blue - Traffic on the LTE network ▪ Solid Purple - Cellular internet connection is up and running on the 3G network ▪ Rapidly Blinking Purple - Traffic on the 3G network ▪ Red - Cellular modem issue (no SIM, SIM error, SIM tray open etc.) <p>In earlier versions:</p> <ul style="list-style-type: none"> ▪ Off - Cellular off ▪ Solid Blue - Cellular modem is available (operating SIM must be inserted and activated) ▪ Blinking Blue - Cellular data transfer ▪ Red - Cellular modem issue (no SIM, modem off, no signal, etc.) |
| 6 | DSL LED (WiFi-DSL model only) |  | <ul style="list-style-type: none"> ▪ Off - DSL off ▪ Blinking Blue - DSL sync in progress ▪ Solid Blue - DSL synced ▪ Flashing Red (LED alternates between blue and pink) - Traffic |

Table: Antennas

| Key | Item | Description |
|-----|---------------|--|
| 7 | WiFi Antennas | 4 WiFi Antennas |
| 8 | LTE Antennas | 2 LTE Antennas: <ul style="list-style-type: none"> ▪ Main - Left ▪ Diversity - Right |

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

Notes:

- You must attach all provided WiFi antennas to the appliance.
- The SMB appliance supports the use of LTE antennas from other vendors. If you use an adapter from the RP-SMA to the desired connector, this can cause additional signal loss and attenuation.
- 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

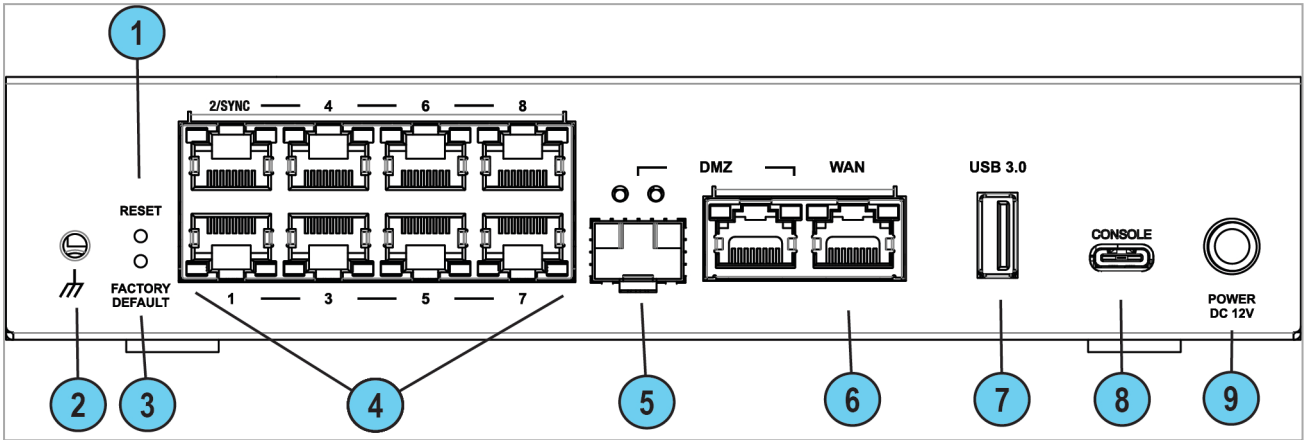
The table below describes the network LEDs (RJ45 WAN and LAN ports and the SFP).

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

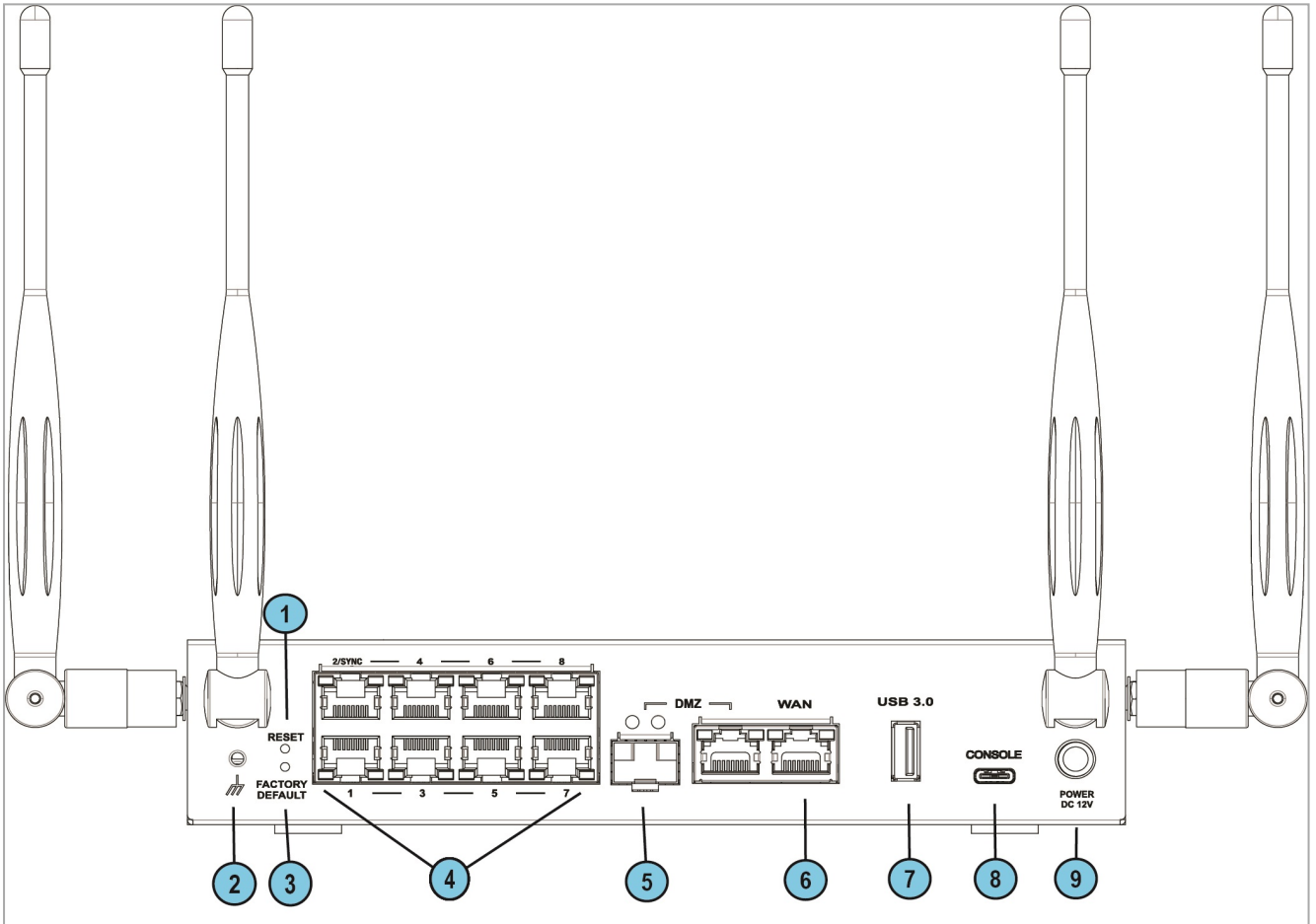
| RJ45 and 1G SFP | LED1 (Green) | LED2 (Amber) |
|-----------------|--------------|--------------|
| No link | Off | Off |
| 1G link | ON | ON |
| 1G Act | Blink | ON |
| 100M link | ON | Off |
| 100M Act | Blink | Off |
| 10M link | ON | Off |
| 10M Act | Blink | Off |

Back Panel

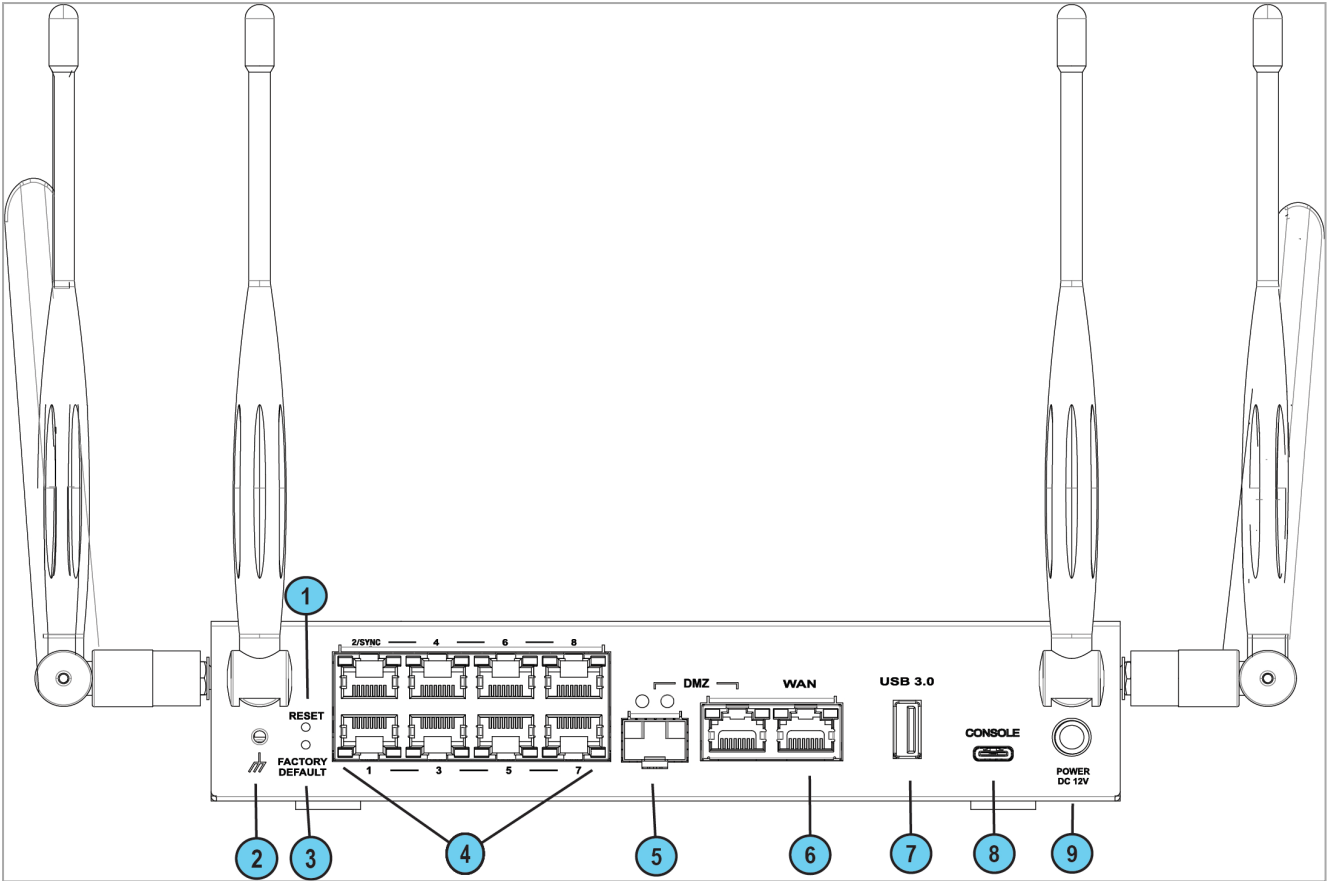
Wired



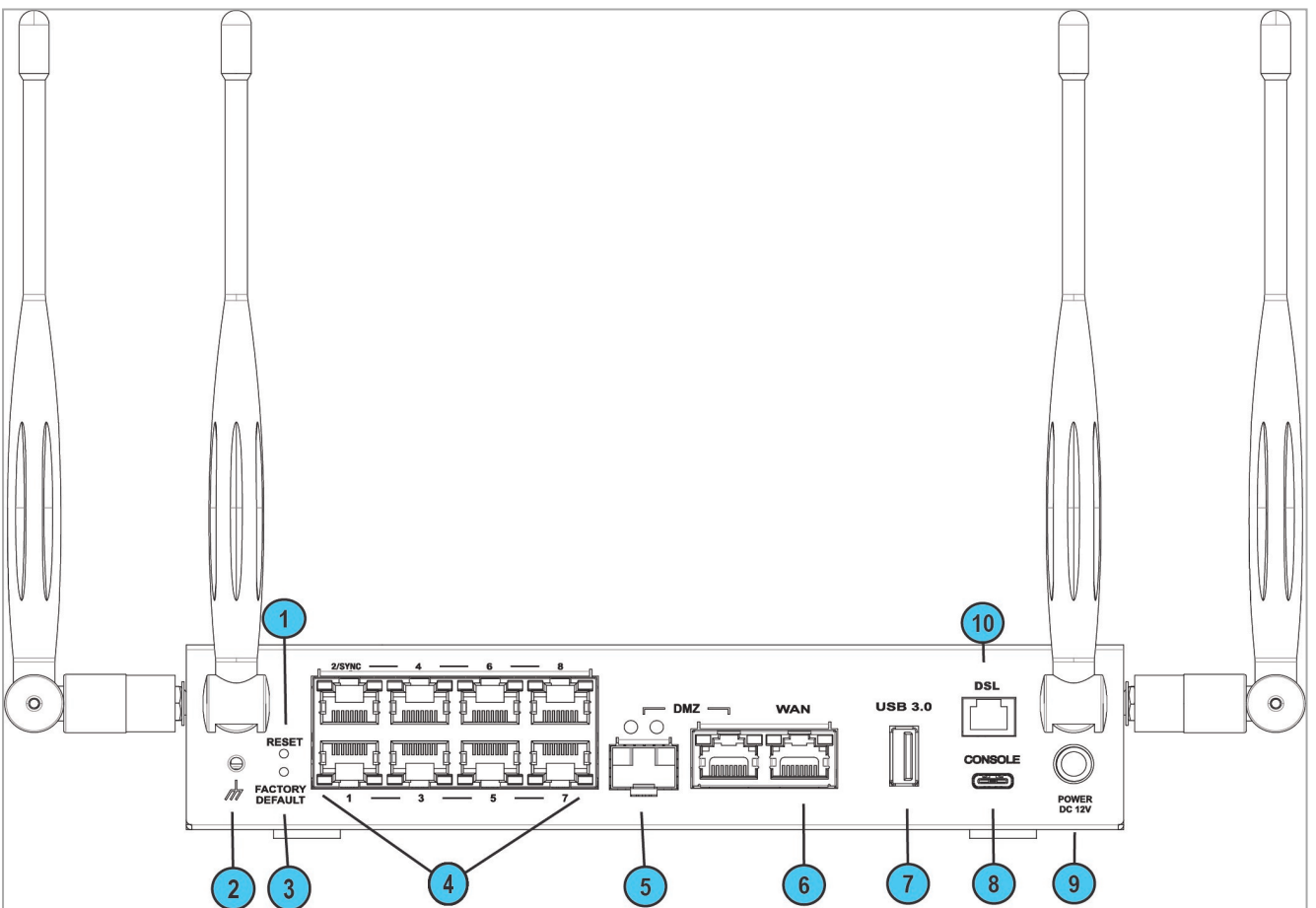
WiFi



WiFi-LTE



WiFi-DSL

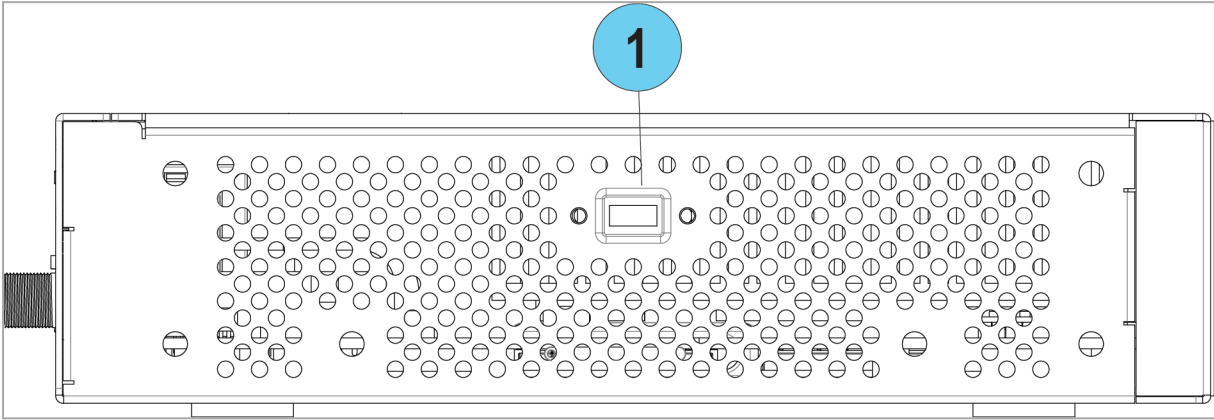


| Key | Item | Description |
|-----|--|--|
| 1 | Reset | Short press resets the system but does not remove any user parameters. |
| 2 | Ground screw | Functional grounding. |
| 3 | Factory default | Press the button continuously for 12 seconds to restore the appliance to its factory default. All user parameters previously configured are removed. |
| 4 | LAN ports | LAN ports 1-8. LAN port 2/Sync. Support 10/100/1000 MbE. |
| 5 | DMZ port (combo RJ45 or DMZ fiber SFP port) | WAN combo port (RJ45 or DMZ fiber). Only one can operate at a time once plugged in and connected. Once connected, you must remove it to activate the other port. The LEDs above indicate connection and speed per connection. Each uses its own LEDs. The SFP supports 1 GbE speed, short and long range. See catalog for P/Ns. |
| 6 | RJ45 WAN port | WAN port RJ45 (on the right) - supports 10/100/1000 MbE. |
| 7 | USB port 3.0 (Type-A) | USB port 3.0 for software download. |
| 8 | Console | Plug in the serial console cable here. Baud rate: 115200. |
| 9 | Power cord socket | Plug the power adapter cord in here. |
| 10 | DSL Port (WiFi-DSL models only) | Port for attaching RJ11 cable. |

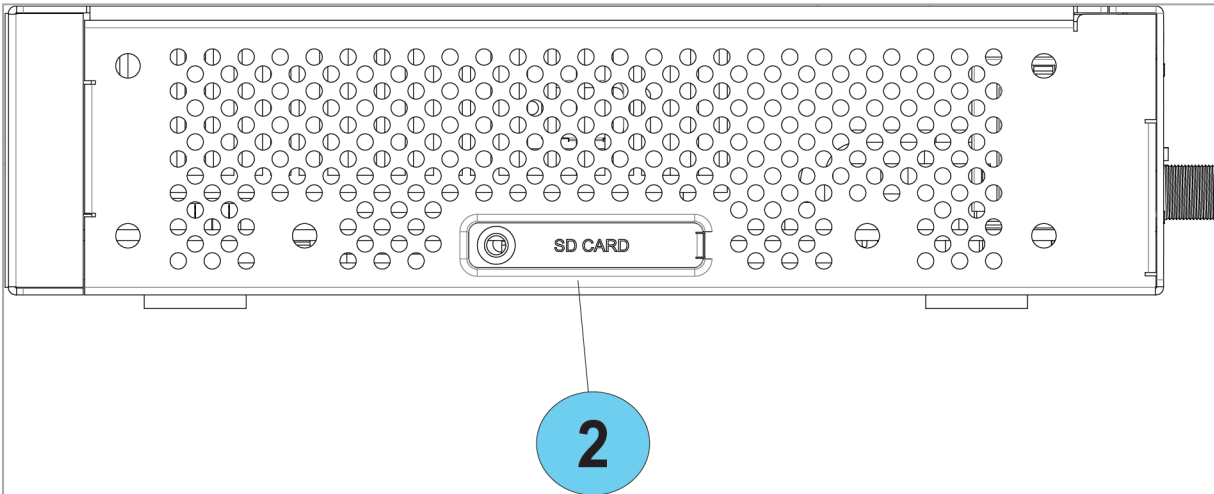
Side Panels

Wired, WiFi, WiFi-LTE, WiFi-DSL

Side 1

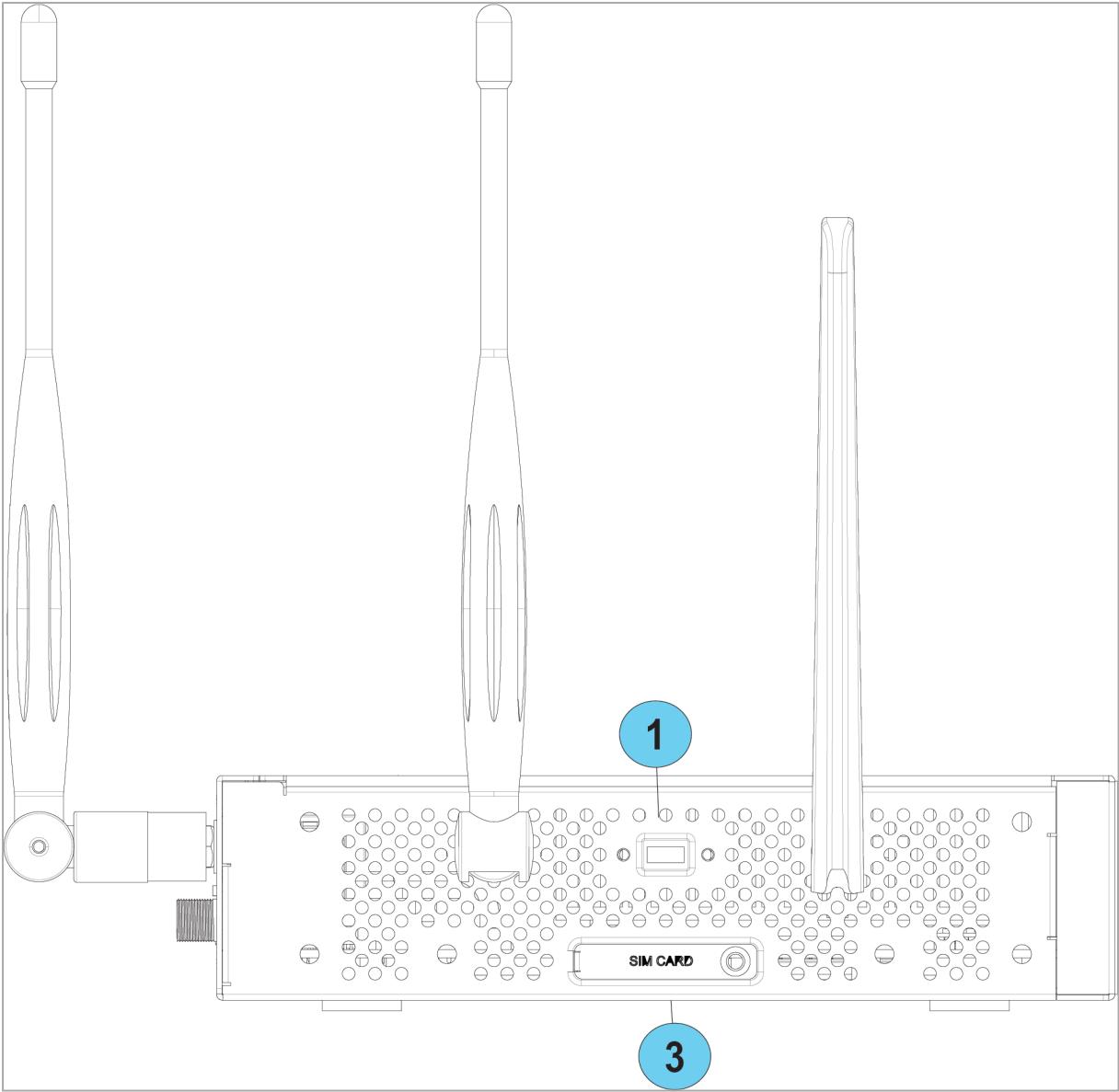


Side 2

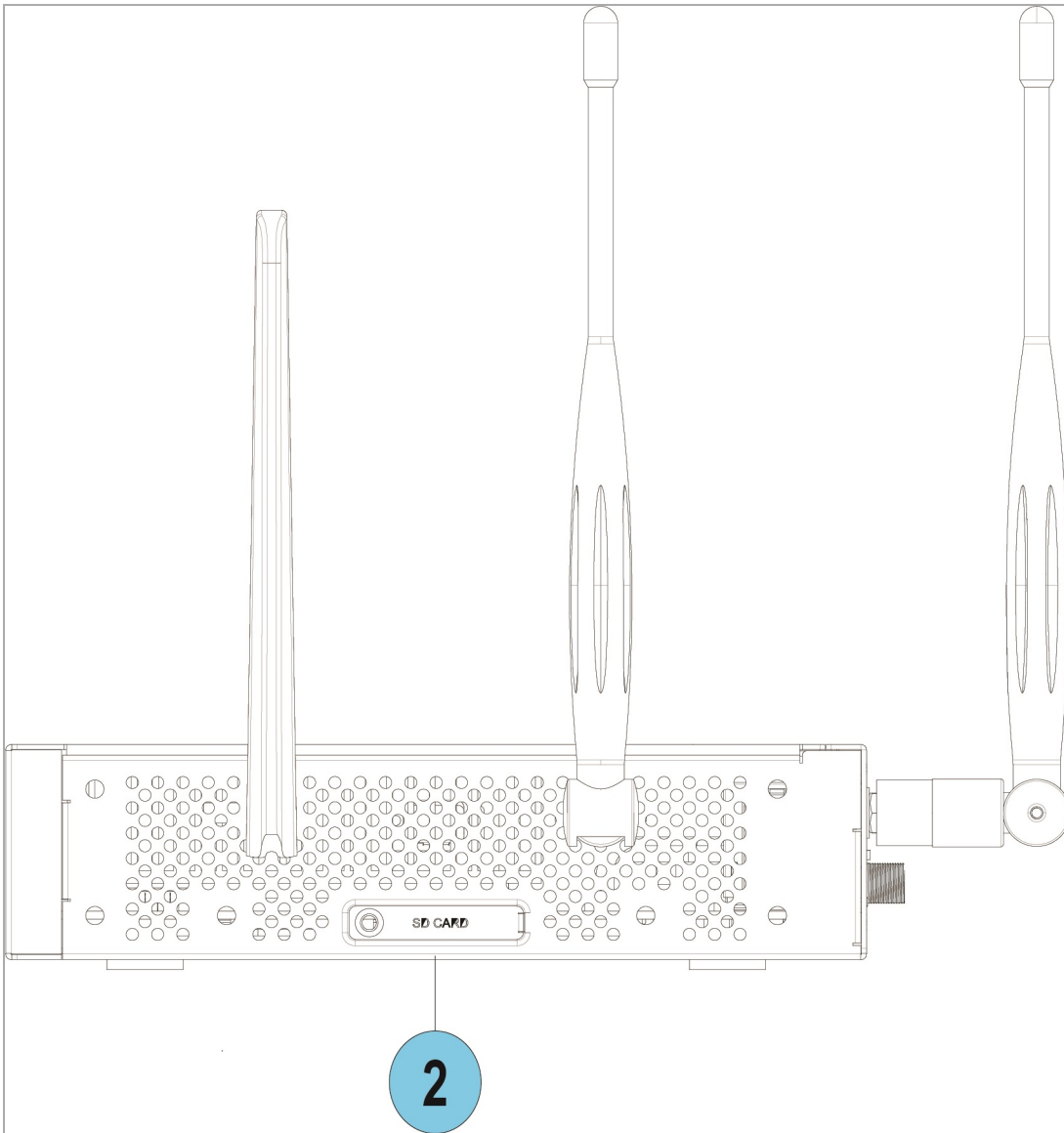


WiFi-LTE

Side 1



Side 2



| Key | Item | Description |
|-----|-----------------|---|
| 1 | Anti-theft slot | Insert anti-theft cable here. Use Kensington and Sunbox TL-623M cable as a reference. |
| 2 | SD slot | Insert micro-SD card here. |
| 3 | Dual SIM slot | Insert one of two SIM cards here (LTE models only): <ul style="list-style-type: none"> ▪ SIM1 - Micro-SIM ▪ SIM2 - Nano-SIM |

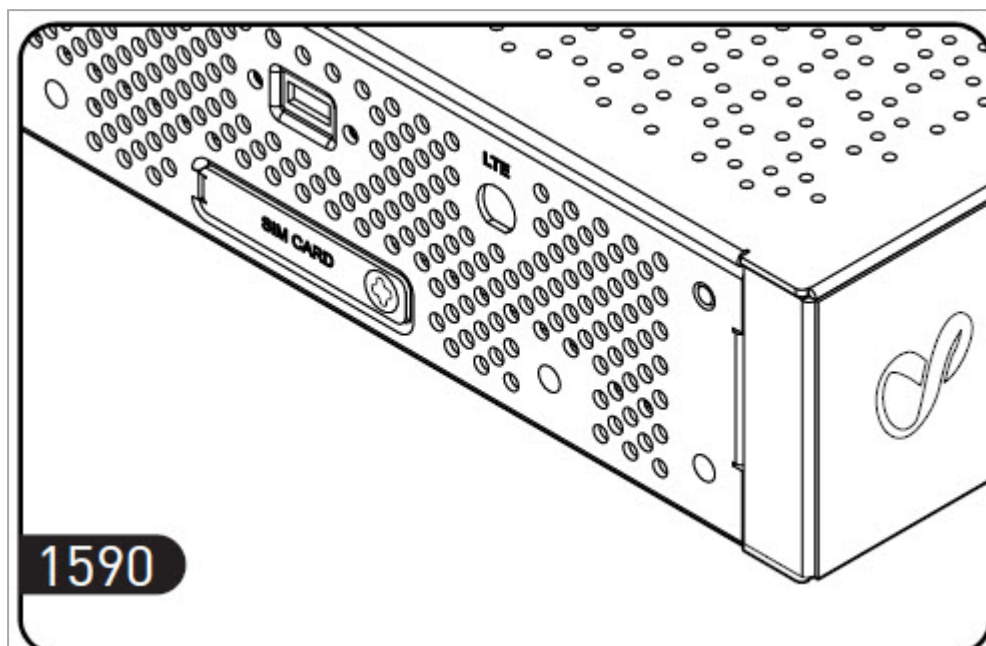
SD Card Notes:

- Micro-SD card supports the format `ext4`, up to 256GB size.
- Insert or remove SD card only when the appliance is powered down.
- While inserting the micro-SD card, make sure the golden pins are facing upward:

**Dual SIM Card Notes:**

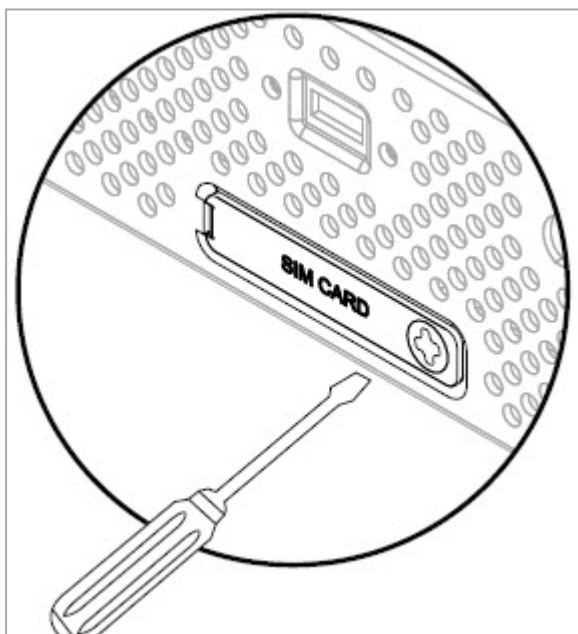
- Activation is done manually in Gaia Portal or Gaia Clish. The user selects the preferred SIM.
- The modem supports automatic failover between SIM cards.

SIM Card Installation

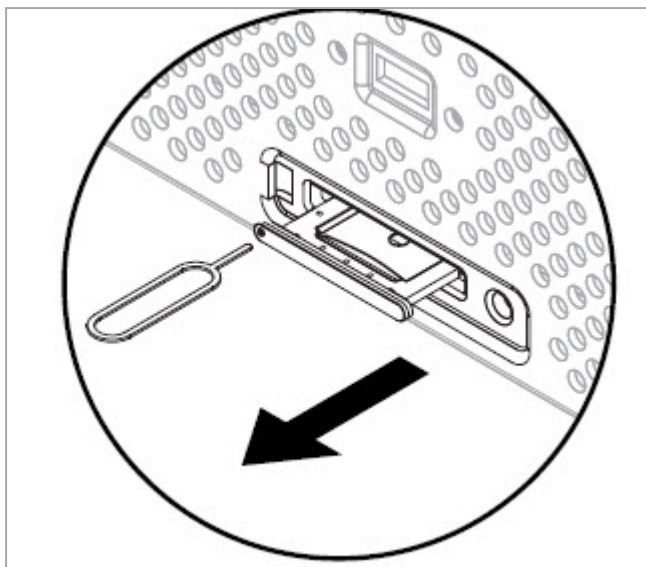


To install the SIM card:

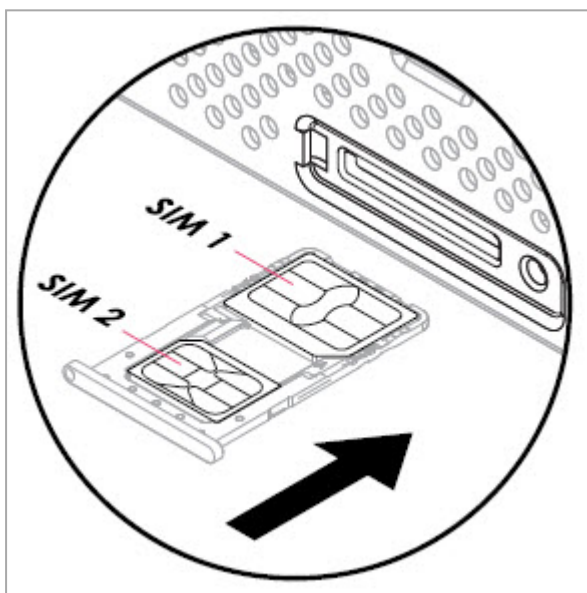
1. Remove the SIM card tray cover.



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.

Starting the First Time Configuration Wizard

To configure the 1570 / 1590 Appliance for the first time after you complete the hardware setup, use the First Time Configuration Wizard.

WiFi models with a special device label only:

If you did not yet run the First Time Configuration Wizard, you can connect through WiFi using the SSID and WiFi password that appears on the sticker. This is unique for each appliance.

If you do not complete the wizard because of one of these conditions, the wizard will run again the next time you connect to the appliance:

- The browser window is closed.
- The appliance is restarted while you run the wizard.

After you complete the wizard, you can use the WebUI (web user interface) to change settings configured with the First Time Configuration Wizard and to configure advanced settings.

To open the Appliance WebUI, enter one of these addresses in a web browser:

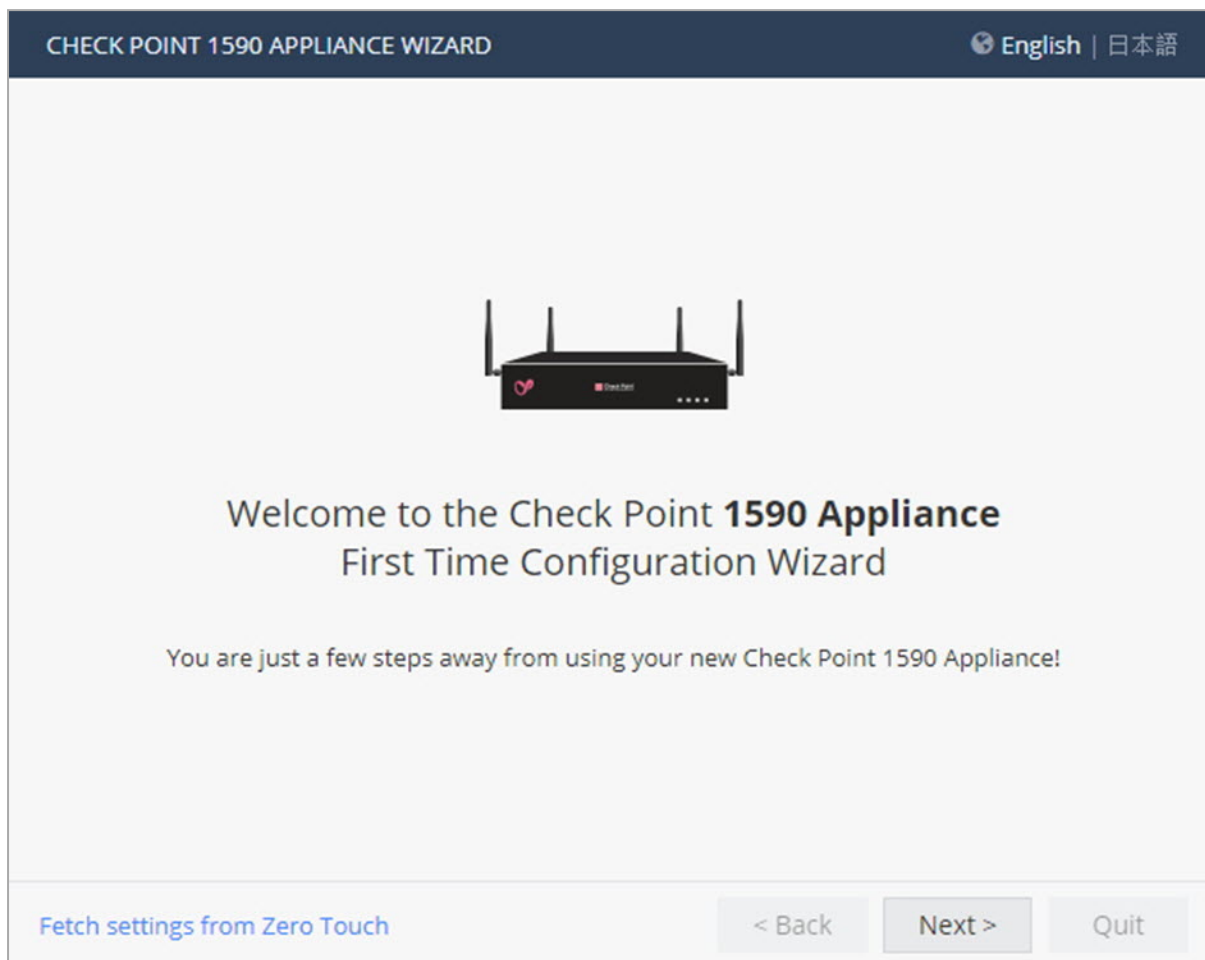
- `https://my.firewall`
- `https://192.168.1.1:4434`

If a security warning message shows, confirm it and continue.

The **First Time Configuration Wizard** starts.

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.

CHECK POINT 1590 APPLIANCE WIZARD ? Help

Authentication Details

Change the default administrator name and set the password:

Administrator name:

Password: Password strength:  **Medium**

Confirm password:

Enforce password complexity on administrators

It is strongly recommended to use both uppercase and lowercase characters as well as one of the following characters in the password: !@#\$\$%^&*()-_+=+;

Country:

Help us improve product experience by sending data to Check Point


Step 1 of 9 | Authentication

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`


CHECK POINT 1590 APPLIANCE WIZARD
 Help


Appliance Date and Time Settings



Set time manually

Date: 


Time: : 

Time zone: 

Use Network Time Protocol (NTP)

First NTP server:

Second NTP server:

Time zone: 

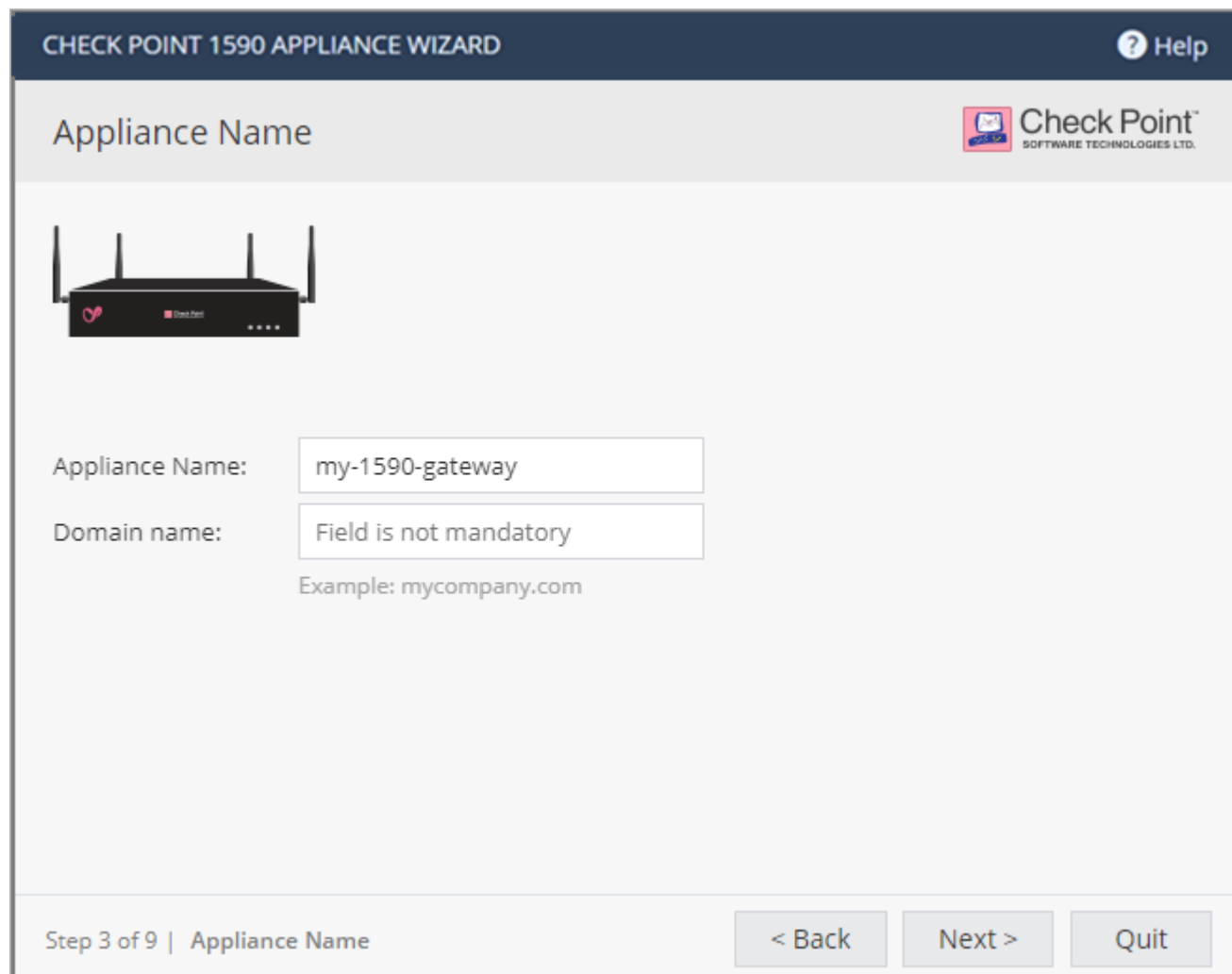
Step 2 of 9 | Date and Time Settings

< Back
Next >
Quit

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.



The screenshot shows the 'CHECK POINT 1590 APPLIANCE WIZARD' interface. The title bar includes 'CHECK POINT 1590 APPLIANCE WIZARD' and a 'Help' icon. The main header is 'Appliance Name' with the Check Point logo. Below the header is an image of a Check Point 1590 appliance. The configuration area contains two input fields: 'Appliance Name' with the value 'my-1590-gateway' and 'Domain name' with the text 'Field is not mandatory'. Below the domain name field is an example: 'Example: mycompany.com'. At the bottom, the progress indicator shows 'Step 3 of 9 | Appliance Name' and three buttons: '< Back', 'Next >', and 'Quit'.

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.

The screenshot shows the 'CHECK POINT 1590 APPLIANCE WIZARD' interface. At the top, there is a 'Help' button. The main heading is 'Security Policy Management' with the Check Point logo. Below this, the instruction 'Choose how to manage security settings' is displayed. There are two radio button options: 'Local management' (selected) and 'Central management'. The 'Local management' option includes an icon of a monitor connected to a single appliance and the text 'I want to manage the security policy of the device using the local web application'. The 'Central management' option includes an icon of a server rack connected to three appliances and the text 'I am using a Management Server that will manage this device'. At the bottom, the progress indicator shows 'Step 4 of 9 | Security Policy Management' and three buttons: '< Back', 'Next >', and 'Quit'.

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 Cellular Modem 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.

CHECK POINT 1590 APPLIANCE WIZARD ? Help

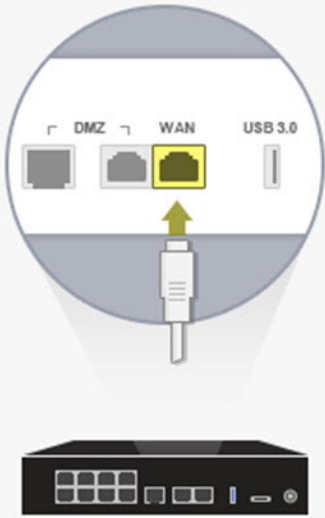
Internet Connection



Configure Internet connection now

Connection type: ▼

Configure Internet connection later



Step 5 of 9 | Internet Connection


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.

CHECK POINT 1590 APPLIANCE WIZARD
Help

Local Network


LAN Settings

Enable switch on LAN ports

Network name: LAN Switch

IP address:

Subnet mask:

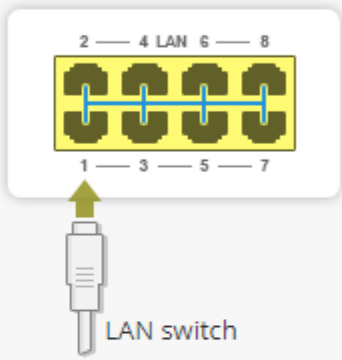
DHCP Settings

DHCP Server:

DHCP range: :


The device IP address is automatically excluded from the DHCP range

Exclusion range: :



LAN switch

Traffic between LAN ports is not inspected



Step 6 of 9 | LAN and Wireless Network

< Back
Next >
Quit

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
 - 2.4GHz: 2414-2462 MHz
 - 5GHz: 5180-5240, 5260-5320, 5500-5720, 5745- 5825MHz

CHECK POINT 1590 APPLIANCE WIZARD ? Help

Wireless Network  Check Point[™]
SOFTWARE TECHNOLOGIES LTD.

Configure wireless network now

Network name (SSID):

Protected network (recommended)


Password:

Hide password

Allow access from this network to the local network

Radio band:

Configure wireless network later



Step 6 of 9 | LAN and Wireless Network

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**.

CHECK POINT 1590 APPLIANCE WIZARD ? Help

Administrator Access 

Select the sources from which to allow administrator access



LAN Trusted wireless VPN Internet

Access from the above sources is allowed from



Any IP address

Specified IP addresses only

Specified IP addresses from the Internet and any IP address from other sources

 New  Delete

No Items Found

Step 7 of 9 | Administrator Access

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.

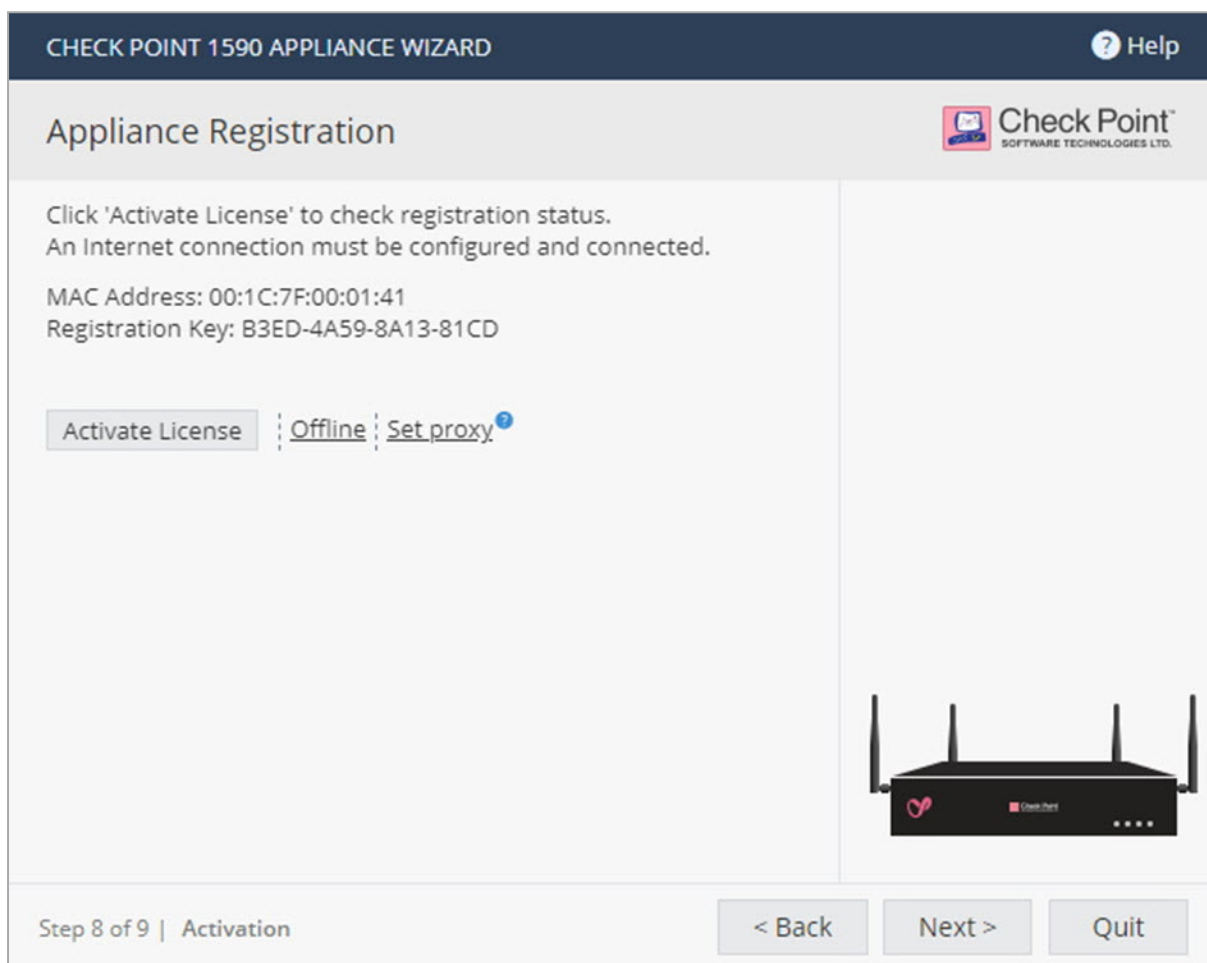
To postpone appliance registration and get a 30-day trial license:

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.

CHECK POINT 1590 APPLIANCE WIZARD
Help

Security Management Server Authentication

Set-One Time Password (SIC):

Initiate trusted communication by using a one-time password

Set one-time password:

Confirm one-time password:

Initiate trusted communication without authentication (not secure)

Configure one-time password later

Set one-time password in order to establish trust with the Security Management Server

Step 9 of 9 | Security Management Server

< Back
Next >
Quit

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.

CHECK POINT 1590 APPLIANCE WIZARD ? Help

Security Management Server Connection



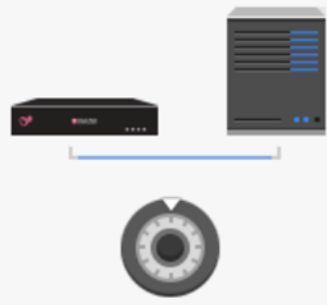
Connect to the Security Management Server now

Management address:

Always use the above address to connect to the Security Management Server and:

- Send logs to same address
- Send logs to:
- Send logs according to policy

Connect to the Security Management Server later



This appliance is centrally managed by the Security Management Server

Step 9 of 9 | Security Management Server

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.

CHECK POINT 1590 APPLIANCE WIZARD ? Help






Software Blades Activation


Select the Software Blades you wish to activate

ACCESS CONTROL ----- **VPN** -----

| | | | | |
|---|--|---|--|---|
| <input checked="" type="checkbox"/>  Firewall | <input checked="" type="checkbox"/>  Applications & URL Filtering | <input checked="" type="checkbox"/>  User Awareness | <input checked="" type="checkbox"/>  Remote Access | <input checked="" type="checkbox"/>  Site To Site VPN |
|---|--|---|--|---|

THREAT PREVENTION -----

| | | | | |
|--|---|---|---|--|
| <input checked="" type="checkbox"/>  Intrusion Prevention (IPS) | <input checked="" type="checkbox"/>  Anti-Virus | <input checked="" type="checkbox"/>  Anti-Bot | <input checked="" type="checkbox"/>  Threat Emulation | <input checked="" type="checkbox"/>  Anti-Spam |
|--|---|---|---|--|

 Prevents infections from new malware and targeted attacks.

Step 9 of 9 | Software Blades Activation < Back Next > Quit

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.

CHECK POINT 1590 APPLIANCE WIZARD

The First Time Configuration Wizard has completed

| | |
|-------------------------|--|
| Administrator name: | admin |
| System time: | Wednesday, September 11, 2019 01:44 PM |
| Appliance name: | my-1590-gateway |
| Internet: | ✔ Connected |
| License: | ✔ Obtained |
| Local network: | 192.168.1.1 / 255.255.255.0 DHCP server is enabled |
| Wireless network: | my-1590-gateway-wireless Network enabled WPA2 (most secure) |
| Security policy mode: | Locally managed |
| Active Software Blades: | Firewall, Application Control, URL Filtering, User Awareness, Remote Access, Site To Site VPN, Intrusion Prevention (IPS), Anti-Virus, Anti-Bot, Threat Emulation, Anti-Spam |

< Back Finish

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 Zero Touch Web Portal Admin Guide](#).

Retries mechanism:

During cloud activation, there are sometimes temporary issues which prevent the gateway from activating Cloud Services. See the **Management LED** description in the ["Front Panel" on page 22](#) section.

USB Drive or SD Card

The USB drive or SD card 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 or SD card, and searches the root directory for a configuration file.

Note - The USB drive and SD card 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 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 authorized by Check Point.

CAUTION: To reduce the risk of fire, use only No. 26 AWG or larger (e.g., 24 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-81, *V-81W, *V-81WL, *V-81WD |
| Product Options: | 1570 / 1590 Wired, 1570 / 1590 WiFi, 1570 / 1590 WiFi-LTE, 1570 / 1590 WiFi-DSL Appliance |
| Date First Applied: | August 2019 |

Declares under our sole responsibility, that the products conform to the following Product Specifications: RF/Wi-Fi (*marked model), Cellular (**marked model), WiFi-DSL (***)marked model)

| Certification New | Type |
|---|--|
| <p>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 AS/NZS CISPR32 VCCI, V-3/2015.4, V4/2012.04, Class B VCCI CISPR 32:2016 ISO Standard 8802-3 Section14(10BASE-T) ISO Standard 8802-3 Section25(100BASE-TX) ISO Standard 8802-3 Section40(1000BASE-T) Article 9</p> <p>*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</p> <p>**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</p> | <p>EMC, *RF/Wi-Fi, **Cellular, ***WiFi-DSL</p> |
| <p>**AS/NZS: ACMA EMR, AS/CA S042. 1,4 **EN 301 489-1, 7, 24, 52 **EN 301 908 - 1, 2, 13 **EN 50385:2017 MPE **FCC 47 CFR Part 15 Subpart C FCC 47 CFR Part 2 MPE **FCC 47 CFR Part 24 Cellular Transmitter Certification **RSS 102 / 247 **RSS 130 **RSS 132 **RSS 133 **RSS 139 **RSS 199 **PTCRB and GCF - on going certification process</p> | <p>LTE</p> |

| Certification New | Type |
|---------------------------------------|--------|
| Annex A ***TBR-21 ***ITU-T K.21 | DSL |
| IEC/EN 62368-1 UL 62368-1 | Safety |
| AS/NZS 62368.1 | |

| Physical and environmental reliability | 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. |
| IP Rating | IP30 |

Date and Place of Issue: August 2019, 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.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

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 27 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.

If trouble is experienced with this Gateway, for repair or warranty information, please contact:

Check Point

6330 Commerce Drive Suite 120, Irving, Texas 75063

Office Phone Numbers 972-444-6612

Canadian Department Compliance Statement

This radio transmitter [IC: 7849A-WLE1216V220, IC: 7849A-WLE1216V520] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Sample statement for antennas:

This radio transmitter [IC: 7849A-WLE1216V220, IC: 7849A-WLE1216V520] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

| Frequency Band | Antenna Type | Max. Gain | Impedance Ω |
|---|-------------------------|-----------|--------------------|
| 2414-2462 MHz | Dipole Antenna (RP-SMA) | 2.22 dBi | 50 Ω |
| 5180-5240, 5260-5320, 5500-5720, 5745-5825MHz | Dipole Antenna (RP-SMA) | 4.29 dBi | 50 Ω |

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 27 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. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
3. 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
4. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate;
5. 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.
6. 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)
7. Where applicable, antenna type(s), antenna models(s), 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.
8. 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: The Ringer Equivalence Number (REN) for this terminal equipment is 01. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

Industry Canada Statement

This device complies with ISED's licence-exempt RSSs. 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.

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 27 cm between the radiator & your body.

Detachable Antenna Usage

This radio transmitter (IC: 2417C-EM7455 / Model: EM7455) has been approved by ISED to operate with the antenna type listed below with maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device. **Note** - This paragraph is valid for V-81WL models only.

Approved Antenna(s) List

| Type | Gain | Brand | Manufacturer |
|--------|--------|-------|--------------|
| Dipole | 3.2dBi | - | - |

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.

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.
- Évitez d'utiliser un téléphone (autre qu'un téléphone sans fil) par temps de foudre. Les éclairs 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 autorisé par Check Point.
- N'ouvrez jamais l'équipement. Pour des raisons de sécurité, les équipements ne doivent être ouverts que par un homme de métier qualifié.

SAUVEGARDEZ CES INSTRUCTIONS

ATTENTION: Pour réduire tout risque d'incendie, utilisez uniquement un cordon de ligne téléphonique 26 AWG ou plus large (ex. 24 AWG) homologué UL et certifié CSA.

Pour la Californie:

Matériau perchloraté: 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-81, *V-81W, *V-81WL, *V-81WD |
| Options de produit: | 1570 / 1590 Wired, 1570 / 1590 WiFi, 1570 / 1590 WiFi-LTE, 1570 / 1590 WiFi-DSL Appliance |
| Date de demande initiale: | Aout 2019 |

Déclare sous son entière responsabilité que les produits sont conformes aux normes produit suivantes: RF/Wi-Fi (modèle signalé par *), Cellulaire (modèle signalé par**), WiFi-DSL (modèle signalé par***)

| Certification Nouvelle | Type |
|---|--|
| <p>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 AS/NZS CISPR32 VCCI, V-3/2015.4, V4/2012.04, Class B VCCI CISPR 32:2016 ISO Standard 8802-3 Section14(10BASE-T) ISO Standard 8802-3 Section25(100BASE-TX) ISO Standard 8802-3 Section40(1000BASE-T) Article 9</p> <p>*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</p> <p>**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</p> | <p>EMC, *RF/Wi-Fi, **Cellular, ***WiFi-DSL</p> |
| <p>**AS/NZS: ACMA EMR, AS/CA S042. 1,4 **EN 301 489-1, 7, 24, 52 **EN 301 908 - 1, 2, 13 **EN 50385:2017 MPE **FCC 47 CFR Part 15 Subpart C FCC 47 CFR Part 2 MPE **FCC 47 CFR Part 24 Cellular Transmitter Certification **RSS 102 / 247 **RSS 130 **RSS 132 **RSS 133 **RSS 139 **RSS 199 **PTCRB and GCF - on going certification process</p> | <p>LTE</p> |

| Certification Nouvelle | Type |
|--|----------|
| Annex A ***TBR-21 ***ITU-T K.21 | DSL |
| IEC/EN 62368-1 UL 62368-1 AS/NZS 62368.1 | Sécurité |

| 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. Hhumidité: 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. |
| Indice IP | IP30 |

Date et lieu d'émission: Aout 2016, Tel Aviv, Israël.

Laboratoire d'essais

| | |
|-------------------------|---|
| Adresse: | No 9 Harrison Road, Harrison Industrial Building, #05-01 |
| Développé 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.

Cet appareil répond à toutes les autres exigences spécifiées dans la partie 15E, section 15.407 des règles de la FCC.

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 27 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 réglementation FCC tous les produits WIFI commercialisés aux Etats-Unis sont fixés uniquement sur des canaux américains.

Déclaration de conformité du département Canadien

Exemple de déclaration pour les antennes:

Le présent émetteur radio [IC: 7849A-WLE1216V220, IC: 7849A-WLE1216V520] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

| Frequency Band | Antenna Type | Max. Gain | Impedance Ω |
|---|-------------------------|-----------|--------------------|
| 2414-2462 MHz | Dipole Antenna (RP-SMA) | 2.22 dBi | 50 Ω |
| 5180-5240, 5260-5320, 5500-5720, 5745-5825MHz | Dipole Antenna (RP-SMA) | 4.29 dBi | 50 Ω |

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 27 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. Pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5 250 à 5 350 MHz et de 5 470 à 5 725 MHz doit être conforme à la limite de la p.i.r.e.;
3. Pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas;
4. 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
5. 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.;
6. 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.
7. 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)
8. 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.
9. 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: L'indice d'équivalence de la sonnerie (IES) du présent matériel est de 01. L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Industry Canada Statement

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 27 cm entre le radiateur et votre corps.

Utilisation d'antenne détachable

Le présent émetteur radio (IC: 2417C-EM7455 / Model: EM7455) a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur. **Remarque** - Ce paragraphe est valable pour les modèles V-81WL uniquement

Liste des antennes approuvées

| Type | Gain | Brand | Fabricant |
|--------|--------|-------|-----------|
| Dipole | 3.2dBi | - | - |

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>