



QUANTUM

20 January 2025

3000 APPLIANCES

PB-10 AND QB-1

Getting Started Guide



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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 3000 Appliances

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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
19 March 2024	Updated a configuration option that lets you onboard an appliance using a QR code in the Service tag or by browsing to a website: "Shipping Carton Contents" on page 24 "Initial Configuration" on page 28 "Service tag" on page 30
23 February 2022	Rebranding - New Check Point logo

Date	Description
03 November 2020	Updated: • "Compliance Information" on page 10 • "Shipping Carton Contents" on page 24 • "Appliance Physical Specifications" on page 26 • Improved formatting and layout
10 August 2020	Improved HTML formatting and layout
09 July 2020	Updated 3800 appliance information
14 January 2018	Updated 3600 appliance information
6 February 2018	Updated front panel storage device activity LED
16 May 2017	Updated for Check Point Infinity
23 January 2017	Added 3100 appliance information
31 July 2016	Added retaining clip instructions Updated Front Panel
05 April 2016	First release of this document

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Safety and Environmental Notices

Read the following warnings before setting up or using the appliance.



Warning - Do not block air vents. A minimum 1/2-inch clearance is required.

Before you install or remove a chassis, or work near power supplies, turn off the power and unplug the power cord.

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

- When handling the board, use a grounded wrist strap designed for static discharge elimination.
- Touch a grounded metal object before removing the board from the antistatic bag.
- Handle the board by its edges only. Do not touch its components, peripheral chips, memory modules or gold contacts.
- When handling processor chips or memory modules, avoid touching their pins or gold edge fingers.
- 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 even though the power is switched off.
- Under no circumstances should the lithium battery cell used to power the real-time clock be allowed 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.

- Disconnect the system board power supply from its power source before you connect or disconnect cables or install or remove any system board components. Failure to do this can result in personnel injury or equipment damage.
- Avoid short-circuiting the lithium battery; this can cause it to superheat and cause burns if touched.
- Do not operate the processor without a thermal solution. Damage to the processor can occur in seconds.
- Class 1 laser product warning - A totally enclosed laser system containing a class 1 laser.

Rack Mount Instructions

The following or similar rack-mount instructions are included with the installation instructions:

1. **Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.
2. **Reduced Air Flow** - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
3. **Mechanical Loading** - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
4. **Circuit Overloading** - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
5. **Reliable Earthing** - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

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.

Caution

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Information to user:

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required

by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.



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.

Compliance Information

This appendix contains declaration of conformity, compliance, and related regulatory information.

Declaration of Conformity

Manufacturer's Name: Check Point Software Technologies Ltd.

Manufacturer's Address: 5 Shlomo Kaplan Street
Tel Aviv 6789159, Israel

Declare that under our sole responsibility the products

Model Number: PB-10 (3100 and 3200 appliances)

Product Options: All

Date First Applied: April 2016

Conforms to the following Product Specifications:

Category	Technical Specification	Description
EMC	FCC, 47 CFR, Part 15, Class B IC, ICES-003, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	VCCI , V-2/2015.04 , V-3/2015.04, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	AS/NZS CISPR 22, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	AS/NZS CISPR 32: 2012 Class B (from April 2017)	
	EN 55022: 2010 / AC: 2011, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	EN 55032: 2012 Class B (from April 2017)	
	EN 55024	
	EN 61000-3-2: 2014	Information Technology Equipment - Harmonics Characteristics
	EN 61000-3-3: 2013	Information Technology Equipment - Harmonics Characteristics
	IEC 61000-4-2: 2008	Information Technology Equipment - Flicker Characteristics
	IEC 61000-4-3: 2006	Information Technology Equipment - Radiated RF Immunity
	IEC 61000-4-4	Information Technology Equipment - Fast Transient Immunity
	IEC 61000-4-5	Information Technology Equipment - Surge Immunity
	IEC 61000-4-6	Information Technology Equipment - Conducted RF Immunity

Category	Technical Specification	Description
Safety	IEC 61000-4-8	Information Technology Equipment - Power frequency magnetic field immunity test
	IEC 61000-4-11	Information Technology Equipment - Voltage Dips and Short Interruptions Immunity
	IEC 61000-4-12	Information Technology Equipment - Ring wave immunity test
	TUV, GS, EN 60950-1:2006/A2:2013	Information technology equipment. Safety General requirements, CE LVD
	CB, IEC 60950-1(ed.2); am1; am2	Information technology equipment Safety General requirements
	UL/cUL, UL 60950-1, 2nd Edition	Information technology equipment Safety General requirements

Date and Place of issue: PB-10 - April, 2016, Tel Aviv, Israel

Model Number: QB-1 (3600 and 3800 appliances)

Product Options: All

Date First Applied: January 2020

Category	Technical Specification	Description
EMC	FCC, 47 CFR, Part 15, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	IC, ICES-003, Class B	
	VCCI , V-2/2015.04 , V-3/2015.04, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	AS/NZS CISPR 22, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	AS/NZS CISPR 32: 2012 Class B	
	EN 55022: 2010 / AC: 2011, Class B	Information Technology Equipment - Radio Disturbance Characteristics
	EN 55032: 2012 Class B	
	EN 55024	
	EN 61000-3-2: 2014	Information Technology Equipment - Harmonics Characteristics
	EN 61000-3-3: 2013	Information Technology Equipment - Harmonics Characteristics
	IEC 61000-4-2: 2008	Information Technology Equipment - Flicker Characteristics
	IEC 61000-4-3: 2006	Information Technology Equipment - Radiated RF Immunity
	IEC 61000-4-4	Information Technology Equipment - Fast Transient Immunity
	IEC 61000-4-5	Information Technology Equipment - Surge Immunity
	IEC 61000-4-6	Information Technology Equipment - Conducted RF Immunity
	IEC 61000-4-8	Information Technology Equipment - Power frequency magnetic field immunity test
	IEC 61000-4-11	Information Technology Equipment - Voltage Dips and Short Interruptions Immunity

Category	Technical Specification	Description
Safety	IEC 61000-4-12	Information Technology Equipment - Ring wave immunity test
	UL GS, EN 60950-1:2006/A2:2013 UL-62368-1	Information technology equipment. Safety General requirements, CE LVD
	CB, IEC 60950-1(ed.2); am1; am2 IEC62368-1 CE LVD EN62368-1	Information technology equipment Safety General requirements
	UL/cUL, UL 60950-1, 2nd Edition	Information technology equipment Safety General requirements

Date and Place of issue: QB-1 - January, 2020, Tel Aviv, Israel

European Union (EU) Electromagnetic and Safety Compatibility Directives

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 Directives 2004/108/EC and 2014/30/EU.

This product is in conformity with Low Voltage Directives 2006/95/EC and 2014/35/EU.

This product complies with the requirements in the Council Directives 2006/95/EC and 2014/35/EU relating to electrical equipment designed for use within certain voltage limits and the Amendment Directive 93/68/EEC.

Federal Communications Commission (FCC) Statement:

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 (*If applicable).
- 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC 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 20 centimeters between the radiator and your body. 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.
2. This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

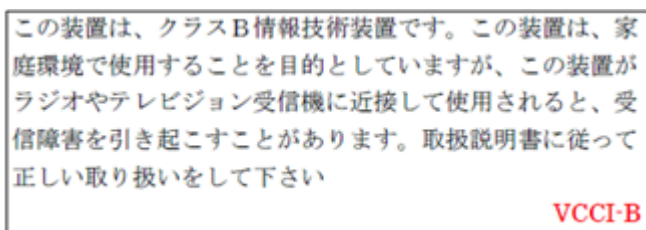
Canadian Department Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Japan Class B Compliance Statement:

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI).

If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.



CCC Note



标识的涵义: 设备仅适用于海拔2000M以下地区安全使用

Remarques Relatives à la Sécurité, l'environnement et les Émissions Électroniques

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.

Avant de manipuler une appliance ou ses blocs d'alimentations, l'éteindre et débrancher son câble électrique.

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

- Avant de manipuler la carte, portez aux poignet un bracelet antistatique relié à la terre.
- Touchez un objet métallique relié à la terre avant d'extraire la carte de son sachet antistatique.
- Ne tenez la carte que par ses bords. Ne touchez aucun composant, puce périphérique, module mémoire ou contact plaqué or.
- Lorsque vous manipulez des processeurs ou des modules mémoire, évitez de toucher leurs broches ou les pistes de contact dorées.
- 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 même si l'appareil est éteint.
- Il ne faut 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 REPLACÉE. 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.

- Débrancher l'alimentation de la carte système de sa source électrique avant de connecter ou déconnecter des câbles ou d'installer ou retirer des composants. À défaut, les risques sont d'endommager l'équipement et de causer des blessures corporelles.
- Ne pas court-circuiter la pile au lithium: elle risque de surchauffer et de causer des brûlures en cas de contact.
- Ne pas faire fonctionner le processeur sans refroidissement. Le processeur peut être endommagé en quelques secondes.
- Produit laser de classe 1: un système laser totalement clos et contenant un laser de classe 1.

Instructions de montage en rack

Les instructions d'installation sont livrées avec les instructions de montage en rack ci-après (ou similaires):

1. **Fonctionnement à température plus élevée:** Si l'appareil est installé dans une armoire fermée ou un rack à plusieurs unités, la température du rack en fonctionnement peut être supérieure à la température ambiante de la pièce. Avant d'installer l'équipement, il faut donc s'assurer qu'il sera dans un environnement compatible avec la température ambiante maximale indiquée par le constructeur.
2. **Circulation d'air réduite:** L'installation dans un rack doit s'assurer de ne pas limiter la circulation de l'air nécessaire au bon fonctionnement de l'équipement.
3. **Charge mécanique:** Lors du montage de l'équipement dans le rack, il faut faire attention à ne pas déséquilibrer l'ensemble. Un rack se remplit en commençant par le bas.
4. **Surcharge:** Pour la connexion de l'équipement au circuit électrique, il faut vérifier les risques de surcharge et les éventuelles conséquences sur la protection contre les surtensions et sur le câblage électrique. Dans ce contexte, il faut tenir compte des informations mentionnées par l'étiquette apposée sur l'équipement.
5. **Mise à la terre:** Les équipements montés en rack doivent être en permanence reliés à un terre fiable. Il faut faire particulièrement attention aux branchements qui ne vont pas directement à la source électrique (par exemple des multiprises).

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.

Attention

Tout changement ou modification qui n'ont pas été approuvés formellement par le titulaire de l'appareil, pourrait annuler le droit d'utiliser l'équipement.

Information à l'intention de l'utilisateur:

Le manuel utilisateur ou le manuel d'instruction d'un dispositif rayonnant (intentionnel ou non) doit avertir que toute modification non approuvée expressément par la partie responsable de la conformité peut annuler le droit de faire fonctionner l'équipement. Si le manuel n'est pas fourni sous forme imprimée (par exemple sur le disque d'un ordinateur ou via Internet), les informations requises par cette section doivent être incluses dans ces versions du manuel, sous réserve que l'utilisateur soit raisonnablement capable d'y accéder.



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.

Hinweise zu Sicherheit, Umwelt und elektronischen Emissionen

Lesen Sie die folgenden Warnungen, bevor Sie Einstellungen vornehmen oder das Gerät verwenden.



Warnhinweis - Die Lüftungsschlitze müssen frei gehalten werden. Der Mindestabstand beträgt 0,5 Zoll (1,27 cm).

Schalten Sie das Gerät ab und ziehen Sie den Stecker, bevor Sie ein Gestell anbringen oder entfernen oder wenn Sie in der Nähe der Stromzufuhr arbeiten.

Es ist wichtig, dabei sorgfältig vorzugehen, um Schäden an den Systemplatinen zu vermeiden. Die folgenden Maßnahmen reichen in der Regel aus, um Ihre Anlage vor elektrostatischer Entladung zu schützen:

- Tragen Sie eine geeignete Erdungsmanschette gegen die statische Entladung, wenn Sie die Platine berühren.
- Berühren Sie einen geerdeten metallischen Gegenstand, bevor Sie die Platine aus der antistatischen Schutzhülle nehmen.
- Berühren Sie die Platine nur an den Rändern. Berühren Sie nicht die Komponenten, zugehörigen Chips, Speichermodule oder goldenen Kontakte.
- Wenn Sie mit Prozessor-Chips oder Speichermodulen arbeiten, berühren Sie nicht die Pins oder die goldenen Einsteckstellen am Rand der Platine.
- Wenn die Systemplatine des Kommunikationsgerätes nicht verwendet oder angebracht wird, verstauen Sie sie wieder in der antistatischen Schutzhülle. Einige der Schaltkreise auf der Systemplatine werden unter Umständen auch dann betrieben, wenn die Stromzufuhr unterbrochen wurde.
- An der Lithiumbatterie zelle, die den Absolutzeitgeber betreibt, sollte unter keinen Umständen ein Kurzschluss möglich sein. In diesem Fall könnte sich die Batterie zelle erhitzen und eine Verbrennungsgefahr darstellen.



Warnhinweis - EXPLOSIONSGEFAHR BEI NICHT ORDNUNGSGEMÄß EINGESETZTER BATTERIE. NUR GEMÄß HERSTELLEREMPFEHLUNGEN DURCH GLEICHEN ODER ÄQUIVALENTEN TYP ERSETZEN. GEBRAUCHTE BATTERIEN GEMÄß HERSTELLERANWEISUNGEN ENTSORGEN.

- Trennen Sie die Stromversorgung der Systemplatine von der entsprechenden Stromquelle, bevor Sie Kabel ein- bzw. ausstecken oder Komponenten der Systemplatine entfernen. Wenn Sie dies nicht befolgen, können Personen verletzt und die Anlage beschädigt werden.
- Schließen Sie die Lithiumbatterie nicht kurz; dies kann zur Überhitzung der Batterie und bei Berühren zu Verbrennungen führen.

- Betreiben Sie den Prozessor nur mit einer geeigneten Lösung für die Wärmekontrolle. Der Prozessor kann innerhalb von wenigen Sekunden beschädigt werden.
- Produktwarnung Laserklasse 1 – ein vollständig geschlossenes Lasersystem mit einem Laser der Klasse 1.

Anleitung zur Rackmontage

Die nachfolgende Anleitung zur Rackmontage ist Teil der Installationsanleitung:

1. Erhöhte Betriebsumgebung – Wenn das Gerät in einer geschlossenen Rackbaugruppe oder in einer Rackbaugruppe mit mehreren Einheiten installiert wird, ist die Umgebungsbetriebstemperatur des Racks unter Umständen höher als die Raumtemperatur. Deshalb sollte darauf geachtet werden, die Anlage in einer Umgebung zu installieren, die mit der vom Hersteller angegebenen Maximaltemperatur kompatibel ist.
2. Verringerter Luftstrom – Die Anlage sollte so in das Rack installiert werden, dass der für einen sicheren Betrieb der Anlage benötigte Luftstrom nicht beeinträchtigt wird.
3. Mechanische Ladung – Die Anlage sollte so im Rack installiert werden, dass keine Gefahr durch ungleichmäßig verteilte mechanische Ladung besteht.
4. Systemüberlastung – Es muss darauf geachtet werden, wie die Anlage an den Versorgungskreis angeschlossen ist, und wie sich eine Überlastung des Systems auf den Überstromschutz und die Versorgungskabel auswirken könnte. Bei diesem Thema sollte auf ein angemessenes Typenschild der Anlage geachtet werden.
5. Zuverlässige Erdung – Die rackmontierte Anlage muss sicher geerdet werden. Besondere Vorsicht ist bei Versorgungsanschlüssen geboten, die nicht direkt mit dem Netzstromkreis verbunden sind (z. B. beim Verwenden von Mehrfachsteckdosen).

Für Kalifornien:

Perchloratmaterial – Evtl. spezielle Handhabung erforderlich. Siehe <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>

Der vorhergehende Hinweis gilt in Übereinstimmung mit dem „California Code of Regulations“ Titel 22, Abschnitt 4.5, Kapitel 33. Best Management Practices für Perchloratmaterialien. Dieses Produkt und/oder Teile davon umfassen eine Lithium-Mangandioxid-Batterie, die eine perchlorate Substanz enthält.

Proposition 65, Chemikalien

Chemikalien, die vom US-Bundesstaat Kalifornien gemäß den Anforderungen des „California Safe Drinking Water and Toxic Enforcement Act“ von 1986 (California Health & Safety Code s. 25249.5 ff., „Proposition 65“) als mögliche Ursache für Krebs oder eine fortpflanzungsgefährdende Toxizität eingestuft werden (siehe <http://www.calepa.ca.gov>)

WARNUNG:

Im Kabel dieses Produktes befindet sich Blei; diese Chemikalie wird vom US-Bundesstaat Kalifornien als mögliche Ursache für Krebs, Geburtsfehler oder Einschränkungen der Fortpflanzungsfähigkeit eingestuft. Waschen Sie sich anschließend die Hände.

Vorsicht

Alle Änderungen oder Modifikationen die nicht ausdrücklich vom Lizenzgeber dieses Gerätes genehmigt wurden, können zum Erlöschen der Betriebserlaubnis des Benutzers für das betreffende Gerät führen.

Benutzerinformationen:

Die Betriebs- oder Gebrauchsanleitung eines beabsichtigten oder unbeabsichtigten Radiators dienen dazu, den Benutzer vor Änderungen oder Umrüstungen zu warnen, die nicht ausdrücklich von der zuständigen Stelle für Konformität genehmigt wurden, da diese zu einem Entzug der Betriebserlaubnis für diese Anlage führen können. Wenn das Handbuch nur in anderer als gedruckter Form zur Verfügung steht, zum Beispiel auf einer Computerfestplatte oder über das Internet, ist die gemäß diesem Abschnitt erforderliche Information im Handbuch möglicherweise in dieser alternativen Form enthalten, sofern vom Benutzer erwartet werden kann, dass er auf Informationen dieser Form Zugriff hat.



Produktentsorgung

Dieses Symbol auf dem Produkt oder dessen Verpackung gibt an, dass das Produkt nicht zusammen mit Restmüll entsorgt werden darf. Es obliegt daher Ihrer Verantwortung, das Gerät an einer entsprechenden Stelle für die Entsorgung oder Wiederverwertung von Elektrogeräten aller Art abzugeben. Die separate Sammlung und das Recyceln Ihrer alten Elektrogeräte zum Zeitpunkt ihrer Entsorgung trägt zum Schutz der Umwelt bei und gewährleistet, dass die Geräte auf eine Art und Weise recycelt werden, die keine Gefährdung für die Gesundheit des Menschen und der Umwelt darstellt. Weitere Informationen darüber, wo Sie alte Elektrogeräte zum Recyceln abgeben können, erhalten Sie bei den örtlichen Behörden, den Wertstoffhöfen oder dort, wo Sie das Gerät erworben haben.

Introduction

Welcome

Congratulations on your new 3000 appliance. We hope that you will be satisfied with this Security Gateway and our support services. 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 additional information on the Internet Security Product Suite and other security solutions, refer to the Check Point [web site](#), or call Check Point at 1(800) 429-4391. For additional technical information about Check Point products, consult [Check Point Support](#).

Welcome to the Check Point family. We look forward to meeting all of your current and future network, application and management security needs.

3000 Appliances Overview

The 3000 Security Gateway appliance series is built to protect branch offices from both known and unknown threats with Anti-Virus, Anti-Bot, SandBlast Threat Emulation (Sandboxing), and SandBlast Threat Extraction technologies.

The Check Point 3000 Security Gateway appliance series combines the most comprehensive security protections to safeguard your branch and small office deployments. The 3000 Security Gateway appliance series is available in a compact desktop form factor. This powerful Security Gateway appliance is optimized to deliver real-world threat prevention to secure your critical assets and environments.

The latest 3000 appliances, 3600 Base and 3800 Base, come with a first year subscription to the full SandBlast Prevention suite.

Shipping Carton Contents

This section describes the contents of the shipping carton.

Item	Description
Appliance	3100 , 3200, 3600, or 3800
Cables and Adapters	• 1 power adapter (in 3600/3800 optional 2nd power adapter) • 1 standard RJ-45 network cable • 1 RJ-45 to DB9 serial console cable • 3100/3200 - 1 miniUSB to USB serial console cable 3600/3800 - 1 USB Type-C console cable • 1 RJ-45 loopback adapter • 3100/3200 - Assembly kit bag - Contains the power adapter retaining clip accessories (clip, bracket, and screw)
Documentation	Your appliance comes with one of these sets of documentation: • Quick Start Guide • User license agreement • Battery Warning document • Image Management Guide (only applicable if the software image contains more than one release) Or • Welcome to Check Point QR Page • Battery Warning document

Terminology

The following terms are used in this guide:

- **Security Gateway:** The security engine that enforces the organization's security policy and acts as a security enforcement point.
- **Security Policy:** The Policy created by the system administrator that regulates the flow of incoming and outgoing communication.
- **Security Management Server:** The server used by the system administrator to manage the Security Policy. The organization's databases and Security Policies are stored on the Security

Management Server and downloaded to the Security Gateway.

- **SmartConsole:** GUI applications that are used to manage various aspects of Security Policy enforcement.
- **SmartDashboard:** A Legacy SmartConsole GUI application that is used by the system administrator to create and manage specific settings for some Software Blades.
- **Locally Managed Deployment:** When all Check Point components responsible for both the management and enforcement of the Security Policy (the Security Management Server and the Security Gateway) are installed on the same machine.
- **Centrally Managed Deployment:** When the Security Gateway and the Security Management Server are installed on separate machines.

Mounting the 3000 Appliances in a Rack

For 3100/3200 appliances there is an optional rack mounting kit that lets you mount the appliance in a standard rack. For more information about installing this kit, see the appliance [home page](#).

For 3600/3800 appliances, see the

Appliance Physical Specifications

These are the physical specifications of the Check Point appliance.

Appliance	Regulated Model	Width	Depth	Height	Maximum Operating Temperature	Electrical Specifications
3100 3200	PB-10	8.28 in (21.03 cm)	8.27 in (21 cm)	1.65 in (4.19 cm)	32°F - 104°F 0°C - 40°C	100V(2.5A)- 240V(1.5A) 47-63HZ
3600 3800	QB-1	8.28 in (21.03 cm)	8.27 in (21 cm)	1.65 in (4.19 cm)	32°F - 104°F 0°C - 40°C	100V(2.5A)- 240V(1.5A) 47-63HZ

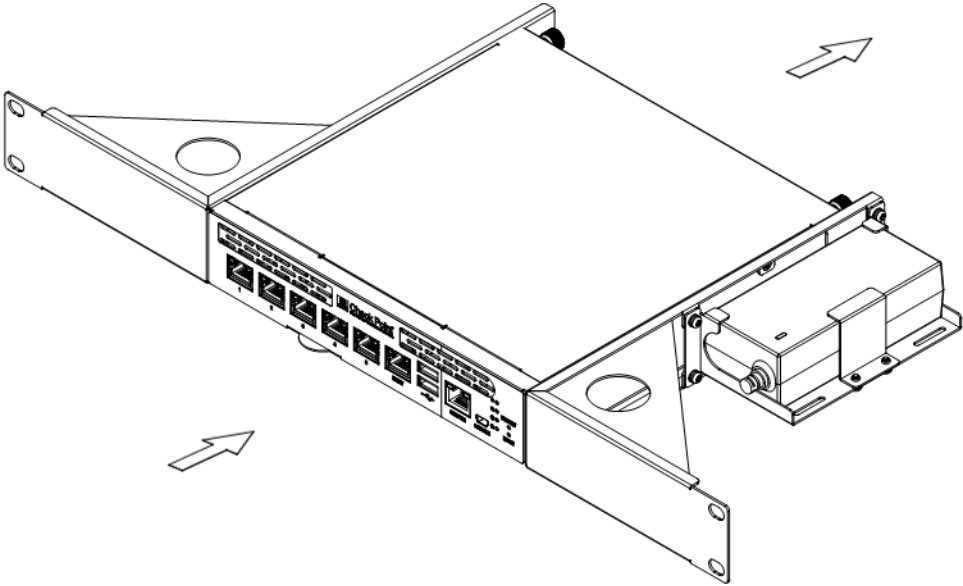
Appliance Air Vents

Make sure that the appliance air vents have sufficient airflow from front to rear when the 3100/3200/3600/3800 appliance is mounted in a rack.



Important - If the appliance vents are blocked, the appliance can become too hot and it can be damaged.

The appliance and rack rails have been tested in extreme conditions and do not block air flow to the appliance. These appliances are specifically designed to install with these rails.



Configuring 3000 Appliances

Initial Configuration

These are the initial configuration methods you can use:

- Interactive (this is the recommended method) - Select one of these:
 - Scan the QR code located on the "Service tag" on page 30 and follow the instructions. Alternatively, browse to <https://welcome.checkpoint.com> if there is no QR code on the Service tag and follow the instructions.
 - If your appliance came with the Welcome to Check Point QR Page, scan the QR code and follow the instructions that appear.
- Legacy - Connect the appliance according to the instructions in the . In the section *Set Up Your Appliance*, follow *Option #2*. Then, configure the appliance with the First Time Configuration Wizard.
 - See the [Gaia Administration Guide](#) for your version.
 - In the section *Installing a Security Gateway > Configuring Gaia for the First Time*, follow the instructions for the First Time Configuration Wizard.

Starting the Appliance

Connect the appliance to a power source to turn on the appliance. When the appliance is ready, you can do the First Time Configuration Wizard to configure it.

To start the appliance:

Connect the power adapter cord to the power supply inlet receptacle in the rear panel.

The appliance turns on.

Available Software Images

The 3000 Appliances come with different software images. See the 3000 Appliances [home page](#).

Reverting to a software image takes a few minutes. To follow progress and see when the appliance is ready, connect to the appliance using a serial console.

Creating the Network Object

Configure the 3000 Appliance object as a Security Gateway object in the Security Management Server database.

1. Connect with SmartDashboard (R77.30) or SmartConsole (R80.10 or higher) to the Management Server.
2. Configure a new Security Gateway object for the appliance.

3. Enter the IP address for the appliance.
4. For a centrally managed deployment, establish Secure Internal Communication (SIC) between the Security Gateway and the Security Management Server. Enter the activation key you used in the First Time Configuration Wizard.
5. Configure the topology.
6. Configure and install the Security Policy.

Advanced Configuration

You can configure advanced options on Gaia from the Portal or the CLI.

Connecting to the 3000 Appliances CLI

To connect to the command line interface of the 3000 Appliances, use one of these:

- An SSH connection to the management interface (if SSHD is configured).
- A serial console cable and terminal emulation software, such as PuTTY (from Windows) or Minicom (from Unix/Linux).

3000 Appliances support these serial console connectivity options:

- Mini USB - Using the included mini USB to USB console cable in 3100/3200.
- USB Type-C - Using the included USB Type-C console cable in 3600/3800.
- RJ45 - Using the included DB9 DTE to RJ45 serial console cable.

Connection parameters are: 9600bps, 8 bits, no parity, 1 stop bit (8N1), Flow Control - None.

If you use both the mini USB and RJ45 console ports, the mini USB port has priority. To use the RJ45 port, disconnect the mini USB console cable.

When you have completed using the RJ45 port, reconnect the miniUSB console cable.

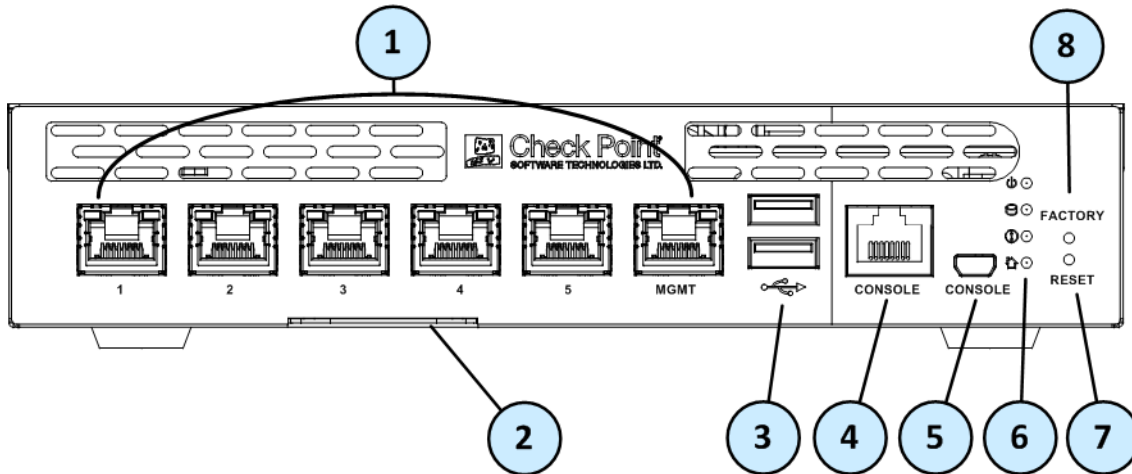


Note - To use the miniUSB/USB Type-C console port, a driver must be installed on the console client machine (desktop/laptop). For installation instructions and download link, see the appliance [home page](#).

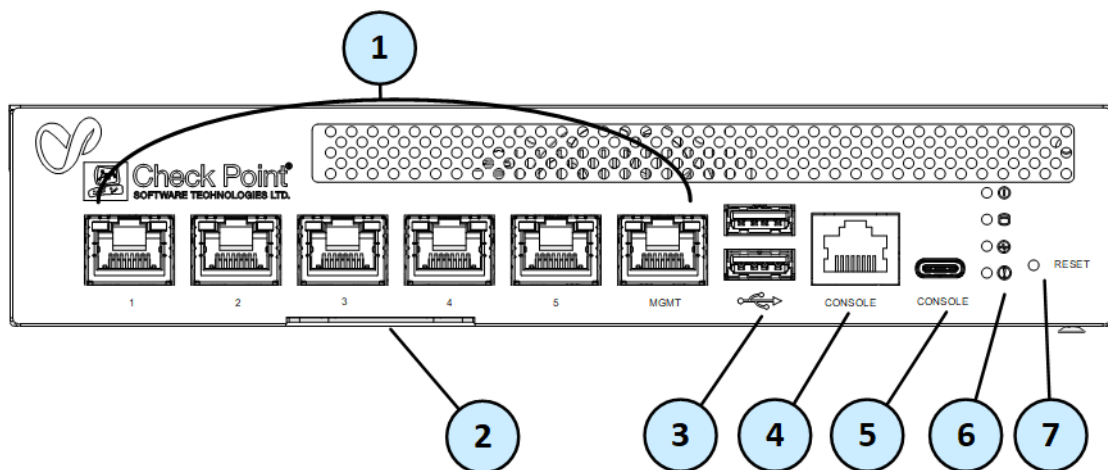
3000 Appliances Hardware

Front Panel

3100/3200



3600/3800

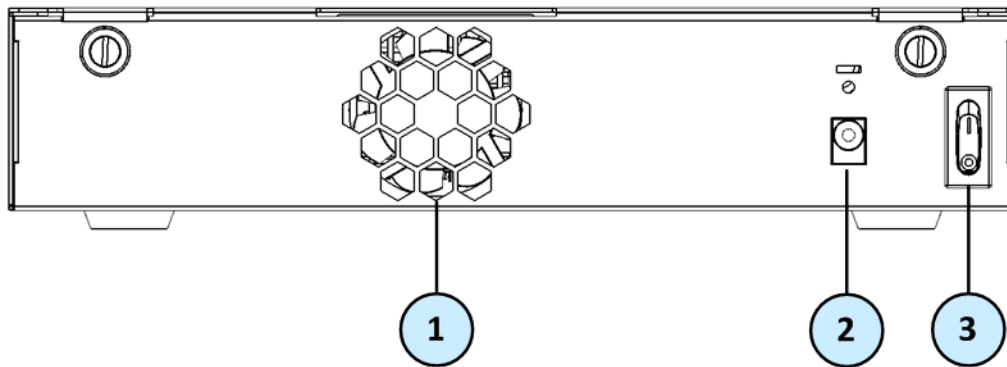


Item	Component	Description
1	On board Ethernet ports	Six 10/100/1000Base-T RJ-45 ports.
2	Service tag	A slide out card that identifies the appliance and shows its serial number and MAC address. In some appliances, it also contains a QR code that you can scan to onboard the appliance and view documentation.
3	USB ports	Two USB ports.

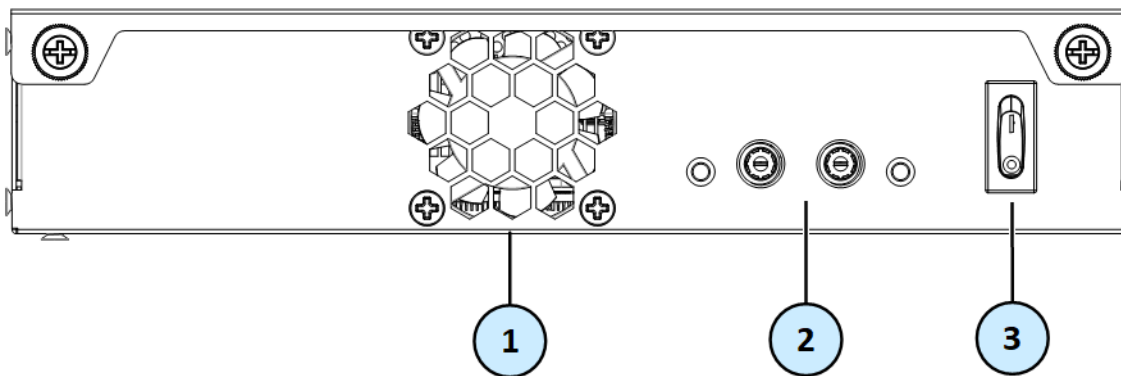
Item	Component	Description		
4	RJ45 console port	For a serial connection to the appliance. See "Connecting to the 3000 Appliances CLI" on page 29.		
5	Console port	3100/3200 - MiniUSB console port for a serial connection to the appliance. 3600/3800 - USB Type-C console port for a serial connection to the appliance. See "Connecting to the 3000 Appliances CLI" on page 29.		
6	System LEDs		System power	- Off - System power off - On (Green) - System power on
			Storage device activity	- Off - No storage device activity - On (Green) - Read/write activity
			Alert	- Off - No faults detected - Blinking red - System fault detected
			Location	In 3100/3200 only - - Off - Location beacon is turned off - Blinking blue - Location beacon is turned on through the Gaia WebUI software
			Power supply status	In 3600/3800 only - - Off - No power/no status - Amber - Power supply fault is detected - Green - All power supplies are functioning
7	Reset	Insert a pin for 5 to 8 seconds to perform a hardware reset.		
8	Factory	In 3100/3200 only - Insert a pin to restore the appliance to its factory defaults.		

Rear Panel

3100/3200



3600/3800



Item	Component	Description
1	Cooling fan unit	
2	Power inlet receptacle	Connects to the power adapter unit's cable. In 3100/3200 - Install the power adapter retainer clip to avoid accidental power cord removal. In 3600/3800 - Push in the power plug, then screw in the adapter cable. When the LED is green, power is switched on.
3	Main power switch	

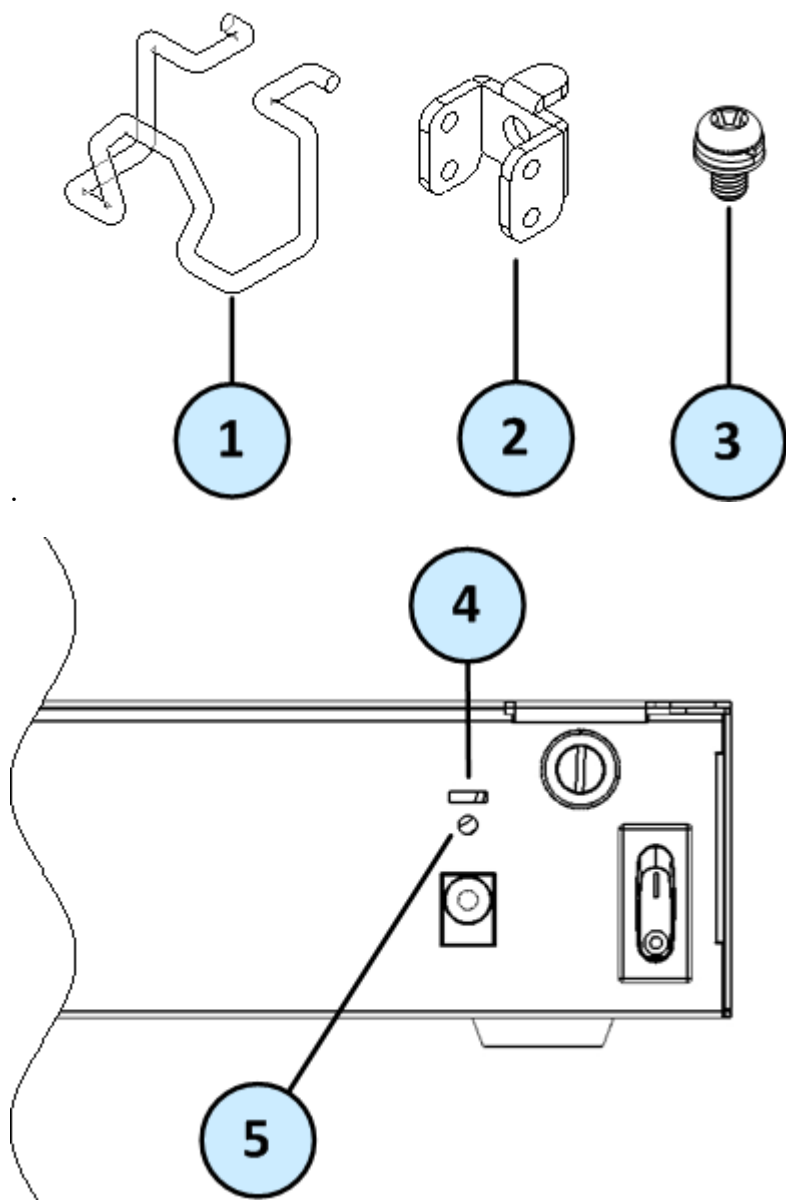
Installing the Power Adapter Retaining Clip in 3100/3200 Appliances

In 3100/3200 appliances, the Assembly Kit bag that comes in the Accessories bag in the shipping carton contains the retaining clip parts:

- Retaining clip
- Bracket
- Screw

Make sure you have these parts and a screwdriver to install the retaining clip.

In 3600/3800 appliances, the adapter cable is screwed (there is no retaining clip).

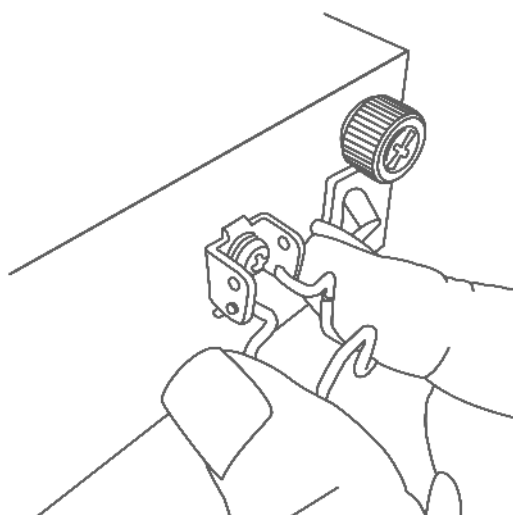
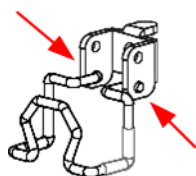


Item	Description
1	Retaining clip
2	Bracket

Item	Description
3	Screw
4	Slot for placing the bracket
5	Hole for the screw

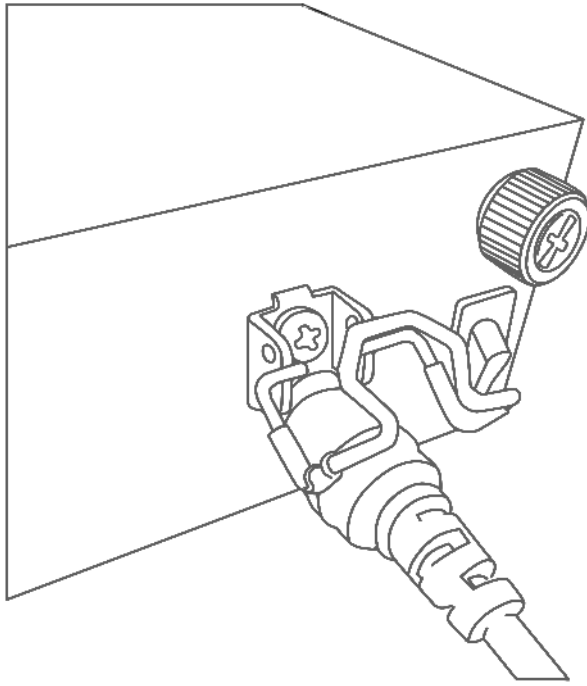
To install the retaining clip:

1. Place the bracket (#2) in its designated slot (#4) on the rear of the appliance.
2. Insert the screw (#3) through the bracket hole and screw it into the hole (#5).
3. Squeeze the retaining clip (#1) sides and insert the hooks into the two bottom holes on the bracket (#2).

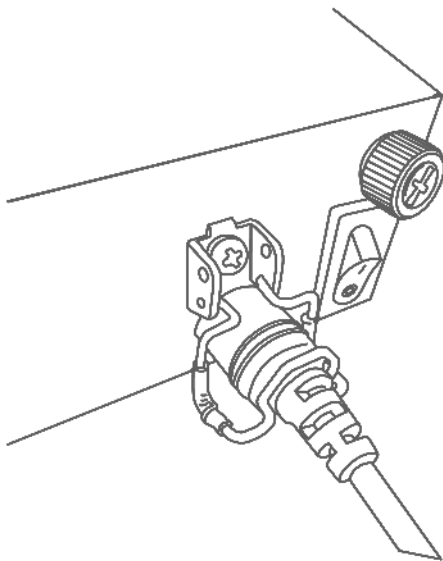


To secure the power adapter cord with the retaining clip:

1. Make sure the retaining clip is in its open position.
2. Connect the power adapter cord to the power outlet.



3. Push down on the retaining clip to secure the cord.



Dual Redundant BIOS

To ensure resilience in the event of a BIOS failure, 3000 Appliances are equipped with dual redundant BIOS images.

If an appliance encounters a BIOS failure, it will boot up from a recovery, read-only BIOS image that enables full functionality of the appliance.

These notifications are shown in the event of a BIOS failure:

- The appliance's Alert LED on the front panel will blink red.
- The Gaia WebUI Hardware Health window shows that the BIOS sensor is Invalid and its status is Off.
- An SNMP trap message (if the biosFailure trap was configured in the WebUI or through Clish).

Source:	10.48.0.92	Timestamp:	20 seconds	SNMP Version:
Trap OID:	.1.3.6.1.4.1.2620.1.3000.20.1			
Variable Bindings:				
Name:	iso.org.dod.internet.mgmt.mib-2.system.sysUpTime.0			
Value:	[TimeTicks] 20 seconds (2001)			
Name:	snmpTrapOID			
Value:	[OID] .1.3.6.1.4.1.2620.1.3000.20.1			
Name:	.1.3.6.1.4.1.2620.1.3000.0.12.0			
Value:	[OctetString] the BIOS has failed, using recovery BIOS			
Description:				

To recover from a BIOS failure, see [sk108517](#) or contact Check Point support. The appliance is fully functional until the BIOS recovery is completed.

Maintenance ▶ Hardware Health

Hardware Health

Refresh

Sensor	Value	Status
 VDIMM Voltage	1.50 Volt	 Ok
 VBAT3 Voltage	3.02 Volt	 Ok
 System Intake Temperature	37.00 Celsius	 Ok
 System Outlet Temperature	41.00 Celsius	 Ok
 CPU Temperature	47.50 Celsius	 Ok
 CPU Fan Speed	1917.50 RPM	 Ok
 BIOS	Valid	 Ok

Replacing and Upgrading Components

The 3000 Appliances has parts that you can easily replace to minimize downtime. There are also components that you can install to upgrade the appliance. These are the parts and components that can be used with the appliance:

- Shelf rack mounting - Optional for the appliances
- AC Power Adapter

For more information about installing these components, see the appliance [home page](#).

Unless directed to do so by Check Point technical support, you are prohibited by warranty and support agreements from replacing any parts.

Restoring Factory Defaults

If necessary, restore the appliance to its factory default settings.



Important - If you restore factory defaults, note that all information on the appliance is deleted.

Restoring from the Gaia Portal

Use the Gaia Portal to restore the appliance to the factory default settings.

To restore a Gaia appliance from the Gaia Portal:

1. In your web browser, connect to the management IP address:
`https://<appliance_ip_address>`
2. Log in to the Gaia Portal of the appliance with the administrator username and password.
3. In the left navigation tree, click Maintenance > Factory Defaults.
The Factory Defaults window opens. The image installed on the appliance is shown.
4. Click Apply.

The appliance reboots and installs the selected version from scratch.

Restoring from the Boot Menu

To restore the appliance from the Boot Menu:

1. Connect the supplied serial cable's RJ45 or USB type-C connector to the console port on the front of the appliance.
2. From the computer, open a terminal emulation program such as PuTTY or Microsoft HyperTerminal.
3. Configure the terminal emulation program:
 - In PuTTY select the Serial connection type.
 - In the HyperTerminal Connect To window, select a port from the Connect using list.
4. Define the serial port settings:
9600 BPS, 8 bits, no parity, 1 stop bit
5. From the Flow control list, select None.
6. Connect to the appliance.
7. Reboot or turn on the appliance.

The appliance initializes and status messages are shown in the terminal emulation program.

8. When the message "Press any key to see the boot menu" is shown, you have approximately four seconds to hit any key to activate the Boot menu.
9. From the Boot menu, select the relevant Reset to factory defaults image.
10. Press Enter.

The appliance initializes and status messages are shown in the terminal emulation program.

Restoring from Gaia Clish

To restore the appliance from Gaia Clish:

1. Connect to the command line on the appliance.
2. Log in to Gaia Clish.
3. Run:

```
set fcd revert <image_name>
```

Example:

```
MyAppliance> set fcd revert Gaia_R80.30
Warning! This command will erase all the current configuration on this appliance and will
revert it to the selected image.
Are you sure you want to continue such action? (Yes/No) [No]yes
Reverting to factory defaults Gaia_R80.30
MyAppliance>
Broadcast message from admin (Tue May 14 12:19:16 2019):
The system is going down for reboot NOW!
INIT: Sending processes the TERM signal
```

Registration and Support

Registration

The appliance requires a product-specific Check Point license.

Connect to the Portal of the appliance (from Advanced mode, select Maintenance > Licenses) to find the MAC address that is required to obtain a license.

Alternatively, you can read the MAC address off the service tag on the appliance. Refer to "Front Panel" on page 30.

Support

For additional technical information about Check Point products, consult the [Check Point Support Center](#).

Where To From Here?

You have the basics to get started. The next step is to get more advanced knowledge of your Check Point software.