Certificate No:
TAA000031U

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Network and Communication Components

with type designation(s)
V-81R

Issued to
Check Point Software Technologies Ltd.
Tel Aviv, **Israel**

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Temperature	**D**
Humidity	**B**
Vibration	**A**
EMC	**B**
Enclosure	**A**

Issued at **Hamburg** on **2021-08-31**
This Certificate is valid until **2026-08-30**.
DNV local station: **Haifa**

Approval Engineer: **Jens Dietrich**

for **DNV**

Joannis Papanuskas
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Desktop form factor Security Gateway for wall mounting without moving parts (fans, disks):

Network Interfaces:
LAN Switch: 8 x 10/100/1000Base-T RJ45 ports
WAN Interface: 1 x 10/100/1000Base-T RJ45 or 1GbE SFP
DMZ Interface: 1 x 10/100/1000Base-T RJ45 or 1GbE SFP

Additional Ports:
Console Access: 1 x USB-C
SD-Card: Micro-SD
Serial Link DB9: RS232 (RS422, RS485 ready)

Power supply: 24V DC.

Compass safe distance: Standard compass: 75cm, Steering Compass: 45cm.

Application/Limitation

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Product certificate
If specified in the Rules, ref. Pt.4 Ch.9 Sec.1, the control and monitoring system in which the above listed hardware is used shall be delivered with a product certificate. For each such delivery the certification test is to be performed at the manufacturer of the application system before the system is shipped to the yard. The test shall be done according to an approved test program. After certification the clause for software control will be put into force.

The use of wireless communication (WLAN, LTE) is not covered by this certificate.

Tests carried out

Applicable tests according to DNV GL CG-0339, Dec.2019
Applicable tests for protected equipment according to IEC60945 (2002) Ch.7, 8, 9, 10 and 11.2.

Marking of product

Label: Check Point Software Technologies Ltd., Model: V-81R, serial number, MAC address, power supply ratings, version.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE