Certificate No:
TAA000035M

TYPE APPROVAL CERTIFICATE

This is to certify:

That the FortiGate Rugged Family

with type designation(s)
FGR-60F-3G4G, FortiGateRugged 60F-3G4G, FGR-60F, FortiGateRugged 60F

Issued to
Fortinet Inc.
Sunnyvale, CA, USA

is found to comply with
DNV 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 (-40°C - 75°C)**
Humidity	**B**
Vibration	**A**
EMC	**B**
Enclosure	**A**

Issued at **Hamburg** on **2022-09-21**
This Certificate is valid until **2027-09-20**.
DNV local station: **Long Beach**

Approval Engineer: **Didier Girardin**

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

Type [1)]	Part. No.	Description
FGR-60F-3G4G	P25587-31	Ruggedized, 4 x GE RJ45 Switch ports, 2 x Shared Media pairs (Including 2 x GE RJ45 ports, 2 x SFP slots). 1x RJ45 by-pass can be set up between WAN1 and PORT4. DB9 Serial, embedded 3G/4G/LTE wireless wan module. Dual DC input.
FortiGateRugged 60F-3G4G	P25587-31	
FGR-60F	P25210-31	Ruggedized, 4 x GE RJ45 Switch ports, 2 x Shared Media pairs (Including 2 x GE RJ45 ports, 2 x SFP slots). 1x RJ45 by-pass can be set up between WAN1 and PORT4. DB9 Serial. Dual DC input
FortiGateRugged 60F	P25210-31	

Notes [1)]
Application and security Software not covered by present certificate.
Configuration setting covered by present certificate is not including GNSS function.

Place of Manufacture
Wistron Corp, Taiwan
No.5, Hsin-Ann Rd., Hsinchu Science Park, Hsinchu City, Taiwan

Application/Limitation
The Type Approval covers hardware listed under Product description (Application and security Software not covered by present certificate.). 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 Ships Pt.4 Ch.9 Control and Monitoring Systems

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Equipment to be installed
- in a location where physical access is restricted to authorised persons.
- in accordance to manufacturers documentation and in accordance to manufacturers installation procedures. The units are tested and approved for rack mounting.

Compass Safe Distances Standard: 0.45m, Steering:0.45m

VDC power needs to be supplied via a Safety Extra Low Voltage (SELV) and Limited Energy Circuit or SELV and Class II (double insulated) DC power supply.

Type Approval documentation

Tests carried out
Applicable tests according to class guideline DNV-CG-0339, August 2021
Compass safe distance according to section 11.2 of IEC 60945 4th edition (2002).

Marking of product
The products to be marked with:
- model name
- manufacturer name
- serial number

marked with the minimum safe distance at which it may be mounted from Standard and/or Steering compass

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

ANNEX
Hidden

DWG P25777-30-01 Dated 2021.03.05
DWG P25778-30-01 Dated 2020.03.06
FGR-60F-3G4G-QSG-GEN3-20210713-ONLINE July 13, 2021
FortiGate Rugged Series Data Sheet (NPS reg. day 18.09.2021)