



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Mariner Systems (UK) Ltd. Oaklands Park, Wokingham Berkshire, RG41 2FD United Kingdom
PLACE OF PRODUCTION	Hewlett-Packard Inc. 20555 SH249 Houston, TX 77070 United States of America
DESCRIPTION	Marine Computer
TYPE	HP EliteDesk 800 G4 Small Form Factor (SFF) and Tower (TWR) PC
APPLICATION	Marine/Offshore applications
STANDARD	LR Test Specification No.1:2018 (EMV1, ENV2, ENV3 categories)
RATINGS	Supply voltage: 230 V, 50 Hz and 115 V, 60 Hz

Certificate No.	19/00042
Issue Date	6 September 2019
Expiry Date	5 September 2024
Sheet	1 of 2



Andrei Petrov
Marine Technology & Engineering Services, Southampton
Lloyd's Register EMEA

*Lloyd's Register EMEA
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OPERATIONAL LIMITATIONS

1. To be installed in conjunction with Mariner Kit MS2510, MS2520, MS2530 or MS2540
2. Any application software is not the part of this type approval certificate
3. To be installed in line with EMC filter RF-1004-MST-C
4. HP EliteDesk 800 G4 TWR PC:
Steering, Standby and Emergency Compass Safe Distance 1.0 Degree deflection: 600 mm
Standard Compass Safe Distance 0.3 Degree deflection: 700 mm
5. HP EliteDesk 800 G4 SFF PC:
Steering, Standby and Emergency Compass Safe Distance 1.0 Degree deflection: 600 mm
Standard Compass Safe Distance 0.3 Degree deflection: 700 mm
6. Shock test (15g, 11ms, repeated 20 times for each axis) according to EN 60068-2-27:2009

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 19/00042 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 19/00042
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