

Type Approval Certificate



[Marine Computer]

Initial Approval 24th December, 2021

Manufacturer Mariner Systems (UK) Ltd.
Oaklands Park, Wokingham, Berkshire, RG41 2FD, United Kingdom

Product Description Marine Computer (Model : HP EliteDesk 800 G6 SFF & TWR PC)

" The HP EliteDesk 800 G6 Small Form Factor (SFF) PC must be used in conjunction with one of the Mariner Kit MS2630 or MS2640 "

" The HP EliteDesk 800 G6 Tower (TWR) PC must be used in conjunction with one of the Mariner Kit MS2610 or MS2620 "

" See Appendix 1 "

Approval Condition " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 23rd December, 2026

Issued at Busan, Korea on 24th December, 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME21032682573) and certificate No.(LDN04977-AC118).



KOREAN REGISTER

*General Manager of
Marine & Ocean Equipment Team*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 24th December, 2021

A. Product Description

1. Product Specification

- 1) Model : HP EliteDesk 800 G6 SFF & TWR PC)
 - The HP EliteDesk 800 G6 Small Form Factor (SFF) PC must be used in conjunction with one of the Mariner Kit MS2630 or MS2640 "
 - The HP EliteDesk 800 G6 Tower (TWR) PC must be used in conjunction with one of the Mariner Kit MS2610 or MS2620 "
 - * Mariner kit
 - MS2610 : Desktop configuration
 - MS2620 : Tower configuration
 - MS2630 : Horizontal mount
 - MS2640 : Vertical mount

2. Approved Drawings and Documents

- 1) RF Filter
 - RF 1004-MST-C, Dwg. No. DS 103-MST, Issue No.0.1, dated 2015-09-23
- 2) Drawings for mariner kit
 - MS2610 Assembly, Dwg. No. MS2610_A, Issue No.1, dated 2021-02-18
 - MS2620 Assembly, Dwg. No. MS2620_A, Issue No.1, dated 2021-02-18
 - MS2630 Assembly, Dwg. No. MS2630_A, Issue No.1, dated 2021-02-18
 - MS2640 Assembly, Dwg. No. MS2640_A, Issue No.1, dated 2021-02-18

3. Test Reports, etc.

- 1) Test Reports
 - Test Report No. TL21006 issued by MS Testing, dated 2021-03-05
 - Test Report No. TL21009 issued by MS Testing, dated 2021-03-05

B. Approval Condition

1. Application & Limitation

- 1) This Approval is granted on the basis of the test reports and the approved documentation.
- 2) The manufacturer should inform this Society of all kinds of revisions of the equipment including software. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 3) The product is to be installed as manufacturer's instructions.
- 4) When this product is installed in the vicinity of a standard or a steering magnetic compass, it should have the minimum safe distance stated in Product Description or more at which it may be mounted from such compasses.
- 5) RF filter (Type designation: RF 1004-MST-C) is to be installed together with in-line power.
- 6) Shielded cable is required for connection to Ethernet port.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.
- 2) Drawing Approval is not required.

3. Marking

- 1) The product or packing is to be marked with manufacturer name and type designation on a suitable position.

4. Others

- 1) Test condition (IACS UR E10 Rev.8)

Test	Condition	Remark
EMC	All locations including the bridge and deck zone	-
Temperature	-25 ~ +70°C	-
Vibration	Acceleration $\pm 0.7g$	-

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2) Compass Safety Distance

Type	1 degree deflection (Steering)	0.3 degree deflection (Standard)
HP EliteDesk 800 G6 TWR PC	500mm	800mm
HP EliteDesk 800 G6 SFF PC	400mm	700mm

< End of certificate >

