



TYPE APPROVAL CERTIFICATE
No. ELE278023XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Colour Display IPS
<i>Type</i>	HP E22 G5 FHD, E24 G5 FHD, E27 G5 FHD
<i>Applicant</i>	MARINER SYSTEMS UK LTD OAKLANDS PARK WOKINGHAM BERKSHIRE RG41 2FD UNITED KINGDOM
<i>Manufacturer</i>	HP Inc.
<i>Place of manufacture</i>	1501 page mill road 94303-1112 Palo Alto (California) U.S.A.
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Hamburg** on **March 20, 2024**. *This Certificate is valid until* **March 19, 2029**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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HP E22 G5 FHD, E24 G5 FHD, E27 G5 FHD

Product description:

The **HP E22, E24, E27 G5** series are monitors to be used with mariner kits for desk mounting, wall mounting and console mounting installation.

HP E22 G5 FHD

Type: 21.5-inch IPS
Resolution: 1920 x 1080
Aspect Ratio: 16:9
Viewing Angle (typical): Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
Brightness (typical): 250 nits
Power Supply: 100-240V AC 50/60Hz
Connections: 1x DisplayPort™ 1.2
1x HDMI 1.4
4x USB-A
1x USB-B
Mariner Kit: MS1710 - Desk Mount Configuration
MS1715 - Wall Mount Configuration
MS1720 - Console Mount Configuration

HP E24 G5 FHD

Type: 23.8-inch IPS
Resolution: 1920 x 1080
Aspect Ratio: 16:9
Viewing Angle (typical): Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
Brightness (typical): 250 nits
Power Supply: 100-240V AC 50/60Hz
Connections: 1x DisplayPort™ 1.2
1x HDMI 1.4
4x USB-A
1x USB-B
Mariner Kit: MS1730 - Desk Mount Configuration
MS1735 - Wall Mount Configuration
MS1740 - Console Mount Configuration

HP E27 G5 FHD

Type: 27-inch IPS
Resolution: 1920 x 1080
Aspect Ratio: 16:9
Viewing Angle (typical): Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
Brightness (typical): 300 nits
Power Supply: 100-240V AC 50/60Hz
Connections: 1x DisplayPort™ 1.2
1x HDMI 1.4
4x USB-A
1x USB-B
Mariner Kit: MS1750 - Desk Mount Configuration
MS1755 - Wall Mount Configuration
MS1760 - Console Mount Configuration



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HP E22, E24, E27

Documents:

Data sheets/ Specification: - HP E22 G5 FHD DoC; HP E22 G5 FHD QuickSpec v.2; HP E24 G5 FHD DoC; HP E24 G5 FHD QuickSpec v.3; HP E27 G5 FHD DoC; HP E27 G5 FHD QuickSpec v.3
Drawings: - MS1710,A,1; MS1715,A,1; MS1720,A,1; MS1730,A,1; MS1735,A,1; MS1740,A,1; MS1750,A,1; MS1755,A,1; MS1760,A,1;

Test reports:

MS Testing: - TL23061 HP E22 G5 FHD 21.5 inch monitor dated 31 July 2023; TL23062 HP E24 G5 FHD 23.8 inch monitor date July 2023; TL23063 HP E27 G5 FHD 27 inch monitor dated 31 July 2023

Remarks:

- The products fulfill **EC-Code: 3a1**.
- The EMC requirements for installation on the Bridge and Deck Zones will be fulfilled by the equipment.

Hamburg March 20, 2024

Giuseppe Russo