



TYPE APPROVAL CERTIFICATE
No. ELE382619XG

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>	Personal computer
<i>Type</i>	HP ELITE DESK 800 G5 PC Series Used in Conjunction with Mariner Kit MS2550, MS2560, MS2570 or MS2580
<i>Applicant</i>	MARINER SYSTEMS UK LTD OAKLANDS PARK WOKINGHAM BERKSHIRE RG41 2FD UNITED KINGDOM
<i>Manufacturer</i>	HEWLETT PACKARD
<i>Place of manufacture</i>	20555 SH249 HOUSTON, TX 77070 UNITED STATES OF AMERICA
<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 **February 25, 2020**. This Certificate is valid until **February 24, 2025**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure



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HP ELITE DESK 800 G5 PC Series

Used in Conjunction with Mariner Kit MS2550, MS2560, MS2570 or MS2580

...Product description:

The HP EliteDesk 800 G5 PC series are personal desk computer for marine environmental conditions in conjunction with Mariner Kits.

Technical specification:

Processor:

All processors up to and including Intel Core i7, Core i5, Core i3 or Intel Pentium with 3.7GHz (4.8GHz turbo), 12MB cache, 8 cores.

Memory:

Up to 64 GB DDR4-2666 DIMM
Intel Optane Memory 16 GB (cache)

Hard Disk:

- 1TB M.2 2280 PCIe NVMe TLC SSD
- 512GB M.2 2280 PCIe NVMe TLC SSD
- 256GB M.2 2280 PCIe NVMe TLC SSD
- 512GB M.2 2280 PCIe NVMe SSD
- 256GB M.2 2280 PCIe NVMe SSD
- 2TB SATA-6G 3.5" (7200 rpm)
- 1TB SATA-6G 3.5" (7200 rpm)
- 500GB SATA-6G 3.5" (7200 rpm)
- 1TB SATA-6G 2.5" (7200 rpm)
- 500GB SATA 2.5" (7200 rpm)
- 500GB SATA 2.5" SED Opal 2 (7200 rpm)

Optical Drive:

- HP ODD 9.5mm DVD Writer
- HP ODD 9.5mm DVD-ROM

Graphics Card:

- AMD Radeon R7 430 2GB (PCIe x16)
- AMD Radeon RX 550 4GB (PCIe x16)
- NVIDIA GeForce GT 730 2GB (PCIe x8)
- NVIDIA Quadro P400 2GB (PCIe x16)
- Intel HD Graphics (integrated)

Network Interface Card:

- Intel Ethernet I210-T1 GbE NIC (PCIe x1)
- Intel Ethernet I350-T4 1GB 4-port NIC
- Intel Ethernet I219LM GbE LOM Network Connection (integrated)

Keyboard:

- HP PS/2 Business Slim Keyboard
- HP USB Business Slim Keyboard

Mouse:

- HP PS/2 Mouse
- HP USB Optical Mouse
- HP USB Hardened Mouse
- HP USB 1000dpi Laser Mouse

Miscellaneous:

- HP SD 4 Media Card Reader
- HP Type-C USB 3.1 Gen2 Port
- HP DisplayPort to HDMI True 4K Adapter
- HP DisplayPort Port
- HP Serial Port Rear Wall
- HP Serial/ PS/2 Module
- HP VGA Port
- HP DisplayPort to DVI-D Adapter
- HP DisplayPort to VGA Adapter
- HP DisplayPort Cable

Operating system: (Not in scope of Society)

Mariner Kits used in conjunction with HP EliteDesk 800 G2 SFF & TWR PC:

- MS2550_A_1 Assembly, Desktop configuration
- MS2560_A_1 Assembly, Tower configuration
- MS2570_A_1 Assembly, Horizontal mount
- MS2580_A_1 Assembly, Vertical mount



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HP ELITE DESK 800 G5 PC Series

Used in Conjunction with Mariner Kit MS2550, MS2560, MS2570 or MS2580

Documents:

Data sheet: - 1004-MST-C

Drawings: - MS2550,A,1; MS2560,A,1; MS2570,A,1; MS2580,A,1;

Specification: - HP EliteDesk 800 G5 QuickSpec v.15, W8X25AA Intel I350-T4 4-Port 1GbE NIC

Test Reports:

TL19106, MS Testing, dated 5 December 2019, Issue 1;

TL19111, MS Testing, dated 5 December 2019, Issue 1;

TL19112, MS Testing, dated 5 December 2019, Issue 1;

Remarks:

- The products fulfill **EC-Code: 31**.

- The EMC requirements for installation on the Bridge and Deck Zones will be fulfilled by the equipment if in-line power filter: RF 1004-MST, RF 1004-MST-B, or RF 1004-MST-C will be used.

- HP EliteDesk 800 G5 PC: Steering, Standby and Emergency Compass Safe Distance 1.0 Degree deflection: 600 mm
Standard Compass Safe Distance 0.3 Degree deflection: 700 mm

- HP EliteDesk 800 G5 PC: Steering, Standby and Emergency Compass Safe Distance 1.0 Degree deflection: 600 mm
Standard Compass Safe Distance 0.3 Degree deflection: 700 mm

- Documents relating to each application are to be submitted to the Society's examination prior fitting on board.

Hamburg February 25, 2020

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