



Confirmation of Product Type Approval

Company Name: MARINER SYSTEMS UK LTD

Address: OAKLANDS PARK WOKINGHAM RG41 2FD United Kingdom

Product: Computer System

Model(s): HP EliteDesk 8 G1i Small Form Factor (SFF) and Tower (TWR) PC

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	26-0526731-PDA	04-MAR-2026	03-MAR-2031
Manufacturing Assessment (MA)	25-7357849	12-DEC-2025	11-DEC-2030
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Navigation, Control, Loading and General-Purpose Applications on ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules and International Standards.

Description

The HP EliteDesk 8 G1i Small Form Factor (SFF) and Tower (TWR) PC is to be installed and used in conjunction with Mariner Kit MS2710, MS2720, MS2730 or MS2740.

The mounting device is environmentally tested for use with the HP EliteDesk 8 G1i Small Form Factor (SFF) and Tower (TWR) PC in marine and offshore environment.

HP EliteDesk 8 G1i Desktop PC main components:

1. Processors up to and including Intel Core Ultra 7-265 with 3.5GHz (5.3GHz max) frequency, 30MB cache, 20 cores
2. Memory up to 128 GB DDR4-2666 DIMM, Intel Optane Memory 16GB (cache)
3. Hard Disk up 2TB PCIe-4x4 2280 NVMe TLC SSD
4. Optical Drive HP 9.5mm DVD-Writer Ultra Slim Tray
5. Graphics Card: Intel UHD Graphics (integrated), NVIDIA RTX A400 4GB 4mDP, NVIDIA RTX A1000 8GB 4mDP, AMD Radeon RX 6300 2GB DP+HDMI
6. Other components as per document: HP EliteDesk 8 G1i Components Jan 26 - History, dated 12th January 2026.

7. Operating system: Windows 11 Professional, Windows 11 Home , FreeDOS

Ratings

Rated Voltage: 230 VAC, 50Hz, 115 VAC, 60Hz, 100VAC, 50Hz

Operating Temperature: 10 °C up to 35 °C

Service Restrictions

1. Unit Certification is not required for this product.
2. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
3. Test and approval for this product are for hardware only and no functionality is covered in this PDA. Where this product is used as a part of computer-based system category II or III, each application/configuration is to be specifically approved.
4. The use of products is permitted in spaces that are environmentally controlled.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. QuickSpec, HP Elite 8 G1i PC QuickSpec v.23, Revision: 1, Pages: 101

Drawing No. MS2720 assembly drawing, MS2720_A_2, Revision: 2, Pages: 1

Drawing No. MS2710 assembly drawing, MS2710_A_2, Revision: 2, Pages: 1

Drawing No. MS2740 assembly drawing, MS2740_A_2, Revision: 2, Pages: 1

Drawing No. MS2730 assembly drawing, MS2730_A_2, Revision: 2, Pages: 1

Drawing No. TL25113, TL25113 HP EliteDesk 8 G1i TWR PC, Lab: MS Testing, Dated: 05/01/2026, Revision: 1, Pages: 147

Drawing No. TL25114, TL25114 HP EliteDesk 8 G1i SFF PC, Lab: MS Testing, Dated: 05/01/2026, Revision: 1, Pages: 154

Drawing No. Test Requirements Issue 19, Marine Type Approval Test Requirements Issue 19, Revision: 1, Pages: 64

Drawing No. Component Options, HP EliteDesk 8 G1i Components Jan 26, Revision: 1, Pages: 2

Drawing No. ISO 9001 certificate, MarinerISO9001-2015 Jan28, Revision: 1, Pages: 1

Drawing No. UKAS Schedule Issue 29, UKAS Schedule of Accreditation Iss 29 11 Dec 2025, Revision: 1, Pages: 10

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 03/Mar/2031 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2026 Rules for Conditions of Classification, Part 1 - 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2026 Marine Vessels Rules: 4-8-3/1.7, 4-8-3/1.17, 4-9-9/13.1, 4-9-9/15.7 Table 1

2025 Rules for Conditions of Classification, Part I - Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2026 Offshore Unit Rules: 6-1-1/9

International Standards

IACS UR E10: Rev. 10(2024)

IEC 60945:2002

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 04-Mar-2026 10:09

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.