



Confirmation of Product Type Approval

Company Name: MARINER SYSTEMS UK LTD

Address: OAKLANDS PARK, WOKINGHAM, United Kingdom, RG41 2FD

Product: Mounting Devices for PCs and Monitors

Model(s): MS2550 - HP Elite Desk 800 G5 TWR PC (Desktop Configuration) MS2560 - HP Elite Desk 800 G5 TWR PC (Tower Configuration) MS2570 - HP Elite Desk 800 G5 SFF PC (Horizontal Mount) MS2580 - HP Elite Desk 800 G5 SFF PC (Vertical Mount)

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-LD1949945-PDA	26-FEB-2020	25-FEB-2025
Manufacturing Assessment (MA)	20-4451837	13-OCT-2020	04-NOV-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Mounting devices intended to be installed along with the HP EliteDesk 800 G5 Tower (TWR) and Small Form Factor (SFF) PC for use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description

HP EliteDesk 800 G5 Tower (TWR) with Mariner Kit MS2550 (Desktop configuration) or MS2560 (Tower configuration) and HP EliteDesk 800 G5 Small Form Factor (SFF) PC with Mariner Kit MS2570 (Horizontal mount) or MS2580 (Vertical mount)

Ratings

Voltage: 100-240 Vac

Frequency: 50-60Hz

Op. Temp: +5C to +45C

Service Restrictions

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

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. 1004-MST-C, 1004-MST-C Datasheet, Revision: -, Pages: -

Drawing No. 800 G5 ABS PDA Application Form 11 Dec 2019 Signed, PDA Application - 800 G5, Revision: -, Pages: 1

Drawing No. Component Listing, HP EliteDesk 800 G5 Components Dec 19, Revision: -, Pages: -

Drawing No. HP QuickSpec, HP EliteDesk 800 G5 QuickSpec v.15, Revision: -, Pages: -

Drawing No. ISO9001, ISO 9001 Certificate, Revision: -, Pages: -

Drawing No. MS2550, MS2550 Assembly Drawing, Revision: -, Pages: -

Drawing No. MS2560, MS2560 Assembly Drawing, Revision: -, Pages: -

Drawing No. MS2570, MS2570 Assembly Drawing, Revision: -, Pages: -

Drawing No. MS2580, MS2580 Assembly Drawing, Revision: -, Pages: -

Drawing No. TL19106, TL19106 HP EliteDesk 800 G5 TWR PC 1, Date: 5-Dec-2019, Location: Mariner System, Revision: -, Pages: -

Drawing No. TL19111, TL19111 HP EliteDesk 800 G5 SFF PC 1, Date: 5-Dec-2019, Location: Mariner System, Revision: -, Pages: -

Drawing No. TL19112, TL19112 HP EliteDesk 800 G5 SFF PC 2, Date: 5-Dec-2019, Location: Mariner System, Revision: -, Pages: -

Drawing No. Test Requirements, Marine TA Test Requirements Issue 14, Revision: -, Pages: -

Drawing No. UKAS Schedule, UKAS Schedule of Accreditation Issue 21, Revision: -, Pages: -

Drawing No. W8X25AA, Intel I350-T4 4-Port 1GbE NIC, Revision: -, Pages: -

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 25/Feb/2025 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

- Marine Vessels Rules (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-9-9/7, 4-9-9/13, 4-9-9/Table1;
- Mobile Offshore Units (2020): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-1-1/7.9, 4-3-1/11, 6-1-1/9, 6-1-1/13;
- Facilities on Offshore Installations Rules (2020): 1-1-4/9.7, 1-1-A2, 1-1-A3;
- Steel Vessels for Service on Rivers and Intracoastal Waterways Rules (2020): 1-1-4/7.7, 1-1-A3, 1-1-A4;
- High-Speed Crafts Rules (2020): 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-6-1/11, 4-7-9/7, 4-7-9/15, 4-7-9/Table 9;
- Steel Barge Rules (2020): 1-1-4/7.9, 1-1-A3, 1-1-A4;

International Standards
IACS UR E10 Rev.7 2018

EU-MED Standards
NA

National Standards
NA

Government Standards
NA

Other Standards
NA



A handwritten signature in blue ink, appearing to read 'James W. ...'.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 07-Jan-2021 7:37

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.