



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): MS2510, MS2520, MS2530, MS2540

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-LD1813016-PDA	13-MAR-2019	12-MAR-2024
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 listed HP EliteDesk 800 G4 Tower (TWR) and Small Form Factor (SFF) configuration for use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description

HP EliteDesk 800 G4 Tower with Mariner Kit MS2510 (Desktop configuration) or MS2520 (Tower configuration) PC

HP EliteDesk 800 G4 Small Form Factor (SFF) with Mariner Kit MS2530 (Desktop configuration) or MS2540 (Tower configuration) PC

Ratings

Voltage: 100-240Vac

Frequency: 50-60Hz

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. AMD Radeon R7 430, AMD Radeon R7 430 2GB PCIe x16 Datasheet, Revision: -, Pages: -

Drawing No. CP-114EL, Moxa CP-114EL_EL-I Datasheet, Revision: -, Pages: -

Drawing No. Component Listing, HP EliteDesk 800 G4 Components Nov 18, Revision: -, Pages: -

Drawing No. HP QuickSpec, HP EliteDesk 800 G4 QuickSpec v.17, Revision: -, Pages: -

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

Drawing No. MS2510, MS2510 Assembly Drawing, Revision: 1, Pages: -

Drawing No. MS2520, MS2520 Assembly Drawing, Revision: -, Pages: -

Drawing No. MS2530, MS2530 Assembly Drawing, Revision: -, Pages: -

Drawing No. MS2540, MS2540 Assembly Drawing, Revision: -, Pages: -

Drawing No. NVIDIA P400, NVIDIA Quadro P400 2GB PCIe x16 Datasheet, Revision: -, Pages: -

Drawing No. PDA Application Form, PDA Application Form, Revision: -, Pages: -

Drawing No. Plan Approval Request Form Rev 6, Plan Approval Request Form Rev 6, Revision: -, Pages: -

Drawing No. TL18114, TL18114 HP EliteDesk 800 G4 TWR PC 1, 21-Nov-2018, MS Testing, Revision: -, Pages: -

Drawing No. TL18115, TL18115 HP EliteDesk 800 G4 SFF PC 1, 21-Nov-2018, MS Testing, Revision: 1, Pages: -

Drawing No. TL18116, TL18116 HP EliteDesk 800 G4 SFF PC 2, 21-Nov-2018, MS Testing, Revision: -, Pages: -

Drawing No. Test Requirements, Marine TA Test Requirements Issue 13, Revision: -, Pages: -

Drawing No. UKAS Schedule, UKAS Schedule of Accreditation Issue 19, Revision: -, Pages: -

Term of Validity

This Product Design Assessment (PDA) Certificate 19-LD1813016-PDA, dated 13/Mar/2019 remains valid until 12/Mar/2024 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules

- Marine Vessel Rules (2019): 1-1-4/7.7, 1-1-A3&A4, 4-8-3/1.7, 4-9-9/7, 4-9-9/13, 4-9-9/Table1;
- Facilities on Offshore Installations (2019): 1-1-4/9.7, 1-1-A2&A3;
- Mobile Offshore Units (2019): 1-1-4/9.7, 1-1-A2&A3, 4-1-1/7.9, 4-3-1/11, 6-1-1/9, 6-1-1/13;
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2019): 1-1-4/7.7, 1-1-A3&A4;

- High Speed Crafts (2019): 1-1-4/11.9, 1-1-A2&A3;
- Steel Barge Rules (2019): 1-1-4/7.9, 1-1-A3&A4;

International Standards

IACS UR E10 Rev.6, 2014

IEC 60945:2002 + Corr. 2008

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read 'Joseph W. ...', is positioned above the printed name.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Jan-2021 3:11

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.