



Polski Rejestr Statków

TYPE APPROVAL CERTIFICATE

This is to certify that the undemoted product type

PERSONAL COMPUTER

HP Z4 G4 Workstation

manufactured by

**Mariner Systems (UK) Ltd.
Oaklands Park, Wokingham
Berkshire RG41 2FD
United Kingdom**

is approved as complying with the requirements of the

PRS Rules for the Classification and Construction of Sea-going Ships.

Certificate No. **TE/2235/883236/19**

Expiry date **2024-03-27**

Issued at

Gdańsk, 2019-03-28

Signature

Polski Rejestr Statków S.A.
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Continued overleaf

Technical data

Processor:	All Intel Xeon processors up to and including 4.0GHz (4.4GHz turbo) frequency, 19.25MB cache, 14 cores;	
Power Supply:	HP Z4 G4 750W Chassis	
Memory:	Up to 256 GB DDR4-2666 ECC Reg DIMM (8GB/16GB/32GB)	
Hard Disk:	300GB 15000 rpm SAS SFF 1TB SATA-6G 3.5" (7200 rpm) 256GB SATA SSD 1TB SATA SSD 512GB Z Turbo Drive M.2 MLC SSD 512GB Z Turbo Drive M.2 TLC SSD	500GB SATA-6G 3.5" (7200 rpm) 2TB SATA-6G 3.5" (7200 rpm) 512GB SATA SSD 256GB Z Turbo Drive M.2 MLC SSD 256GB Z Turbo Drive M.2 TLC SSD
Optical Drive:	HP 9.5mm DVD ROM; HP 9.5mm DVD Writer HP 9.5mm Slim Blu Ray Disc Writer	
Graphics Card:	NVIDIA Quadro P400 2GB NVIDIA Quadro P620 2GB NVIDIA Quadro P2000 5GB AMD Radeon Pro WX 3100 4GB	NVIDIA Quadro P600 2GB NVIDIA Quadro P1000 4GB AMD FirePro W2100 2GB AMD Radeon Pro WX 4100 4GB
Operating System:	Windows 10 Pro 64 for Workstations Windows 10 Pro 64 Windows 7 Pro 64 HP Linux Ready	

For a complete approved component list, refer to the relevant Mariner Systems Components Options list.

Mariner Kit: The workstation must be used in conjunction with the Mariner Kit MS3070 (DESKTOP) or MS3080 (TOWER).

Basis of approval

1. The technical documentation approved by PRS on 2019-03-28.
2. The positive results of environmental tests carried out at MS Testing, Division of Mariner Systems (UK) Ltd. Test Reports Nos.: TL18111, dated 2019-01-22, TL18112 dated 2019-01-22 and TL18113 dated 2019-01-22.
3. The Quality Management System Certificate BS EN ISO 9001:2015 No. UK010572 issued by Bureau Veritas Certification on 2018-08-08.
4. Survey reports Nos TM/SGi/14/17 dated 2017-11-29 and TM/SGi/01/19 dated 2019-03-28.

Additional conditions and remarks

1. The workstation must be installed in air conditioned space.
2. The condition for maintain validity of this Certificate is to maintain validity of A/M ISO 9001 Certificate.

Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

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