



中国船级社
CHINA CLASSIFICATION SOCIETY

证书格式号/Form: T01.02-
HB000127

型式认可证书
CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. LD18T00003_02

兹证明本证书所述制造厂生产的下列产品能够满足下面列明认可标准的要求。

This is to certify that the following products produced by the manufacturer stated in the certificate can meet the requirements of the approval standards listed below.

认可产品/ Product Approved

船用计算机
Marine Computer System

制造厂/ Manufacturer

Mariner Systems (UK) Ltd

Oaklands Park, Wokingham, Berkshire RG41 2FD, United Kingdom

附加标志/ Notations

无/Nil.

认可标准/ Approval Standard

1. 中国船级社钢质海船入级规范 (2018) 以及修改通报第七篇第二章
CCS Rules For Classification Of Sea-Going Steel Ships 2018 and amendments Part 7 Chapter 2
2. IACS UR E10 Rev.6
3. IEC 60945-2002 and Corrigendum 1-2008

证书有效期至/ This Certificate is valid until

2023年1月5日 / Jan. 5, 2023

发证机构 中国船级社伦敦办事处
Issued by CCS London Office

签发日期 2019年4月29日
Date Apr. 29, 2019

本证书根据中国船级社《钢质海船入级规范》及有关程序规定签发。关于证书的有关规定见本证书背面的说明。当本证书包括多页纸张时，则所有证书页为一个整体，必须同时使用。每一页证书均须由本社盖章方为有效。证书复印件须经本社授权人员签字应摘录或节选本证书的部分内容。本认可证书不代表本社对个体产品质量的检验。有关各方对所持证书的真实性有疑问时，可以向本社检验机构咨询。
This Certificate is issued pursuant to the Rules for Classification of Sea-going Steel Ships and related procedures of the Society. Refer to the back of the certificate for detailed requirements of the certificate. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. This approval certificate does not constitute the inspection of the Society about the quality of the unit/batch product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



中国船级社总部/CCS headquarters: 北京市东直门南大街9号船检大厦 邮编: 100007 电话/Tel: +86(10)58112288 传真/Fax: +86(10)58112811
CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: http://www.ccs.org.cn
本地检验机构/CCS Local Office: 中国船级社伦敦办事处 CCS London Office 电话/Tel: 0044-20-77029751 传真/Fax: 0044-20-76809571



LD19363154
No. 17627818

产品明细/ Product Description

船用计算机/Marine Computer System
产品型号/Type

: HP Z440 Work Station work with
Mariner kit MS3050 or MS3060

额定电压/Rated Voltage
计算机型号、编号/Type & Serial No of Computer

: AC 230 V
: Processor up to and including
Intel Xeon E5-2600_E5-1600 V3
series (Max 3.7GHz clock speed,
20MB cache, 8 cores)

批准的图纸和设计计算书/ Approved Drawings and Design Calculations

图纸批准号/ Drawings Approval No. : NP19PPP00779
批准图纸或技术文件编号 :
文件名称 : -
Description: : MS3050 Assembly Drawing
批准图纸或技术文件编号 :
文件名称 : -
Description: : MS3060 Assembly Drawing
批准图纸或技术文件编号 :
文件名称 : -
Description: : Z440 QuickSpec v.32

产品认可试验报告/ Approval Test Report

试验报告编号/Test Report No. : TL15039EMC
试验报告日期/Test Report Date : 2015-05-22
试验单位/ Laboratory : -
MS Testing
试验单位地址/ Test Address : -
5 Maple Way, Aycliffe Industrial Park, Newton
Aycliffe, Co Durham DL5 6BF
试验报告编号/Test Report No. : TL15041EMC
试验报告日期/Test Report Date : 2015-05-22
试验单位/ Laboratory : -
MS Testing
试验单位地址/ Test Address : -
5 Maple Way, Aycliffe Industrial Park, Newton
Aycliffe, Co Durham DL5 6BF
试验报告编号/Test Report No. : TL15042EMC
试验报告日期/Test Report Date : 2015-05-26
试验单位/ Laboratory : -
MS Testing
试验单位地址/ Test Address : -
5 Maple Way, Aycliffe Industrial Park, Newton
Aycliffe, Co Durham DL5 6BF

产品适用范围/ Application of the Product

Marine and Offshore Application.

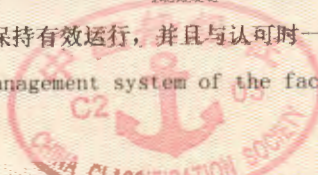
认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的专业质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The professional quality management system of the factory shall be ensure effective operation, and



shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

认可后的产品检验方式/ Method of Product Inspection after Approval

按照规范只认可不进行产品检验的产品/The product approved only in term of the rules;

认可后的产品检验由制造厂按本社批准的产品检验计划进行检验, 经检验合格后由制造厂签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

对于原材料和零部件的检验要求/ Inspection Requirements for Materials and Components

产品如下原材料和零部件的制造厂清单, 经本社批准方可变更/The list of manufacturer for the following materials and components of the product should not be changed without the Society's approval: 无/Nil.

产品如下原材料和零部件应由本社认可的制造厂生产/The following materials and components of the product should be manufactured by the factory approved by the Society: 无/Nil.

产品如下原材料和零部件应经本社检验, 持有本社产品证书/The following materials and components of the product should be inspected and certificated by the Society: 无/Nil.

责任声明/ Statement of Responsibility

本社的认可不影响、替代与本社授权或检验无关的各方对上述工厂的认可和发证, 并且不对与本社授权或检验无关的各方负责, 不承担其未经应允而承认、接受本社认可所导致的法律和经济责任。

The approval of the Society does not affect and replace any approval and certification of the manufacturer by any parties that bear no relation with this Society's authorization or survey and therefore takes no responsibility for these parties. The Society does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.

其他/Others

本证书基于原型式认可证书(No. LD15T00013)换新。

This Certificate is renewed for the Type Approval Certificate No. LD15T00013.

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。

中国船级社伦敦办事处

CCS London Office

*****本证书正文完/ End of Text*****

注: 本证书含有附页, 共2页

Note: The certificate is attached with 2 additional page(s)

Product Descriptions**Model :** HP Z440 Workstation used with Mariner Kit MS3050, MS3060

Item	Description
Processor	All processors up to and including Intel Xeon E5-2600 & E5-1600 v3 series (Max.3.7GHz clock speed, 20MB cache, 8 cores)
Hard Disk	500 GB SATA 6.0 Gb/s (7200 rpm) 1 TB SATA 6.0 Gb/s (7200 rpm) 2 TB SATA 6.0 Gb/s (7200 rpm) 3 TB SATA 6.0 Gb/s (7200 rpm) 128 GB SATA 6.0 Gb/s SSD 256 GB SATA 6.0 Gb/s SSD 512 GB SATA 6.0 Gb/s SSD 1 TB GB SATA 6.0 Gb/s SSD Samsung Ent. 240 GB SATA 6.0 Gb/s SSD Samsung Ent. 480 GB SATA 6.0 Gb/s SSD 300 GB SAS (10000 rpm) 2.5-inch 600 GB SAS (10000 rpm) 2.5-inch 1.2 TB SAS (10000 rpm) 2.5-inch 300 GB SAS (15000 rpm) 600 GB SAS (15000 rpm) Z Turbo Drive 256 GB PCIe SSD Z Turbo Drive 512 GB PCIe SSD
Memory	Up to 128 GB 2133 MHz DDR4 ECC Registered RAM (8 DIMM slots)
Optical Drive	9.5mm Slim DVD-ROM 9.5mm Slim SuperMulti DVD Writer 9.5mm Slim BDXL Blu-ray Writer
Graphics Cards	NVIDIA NVS 310 512MB NVIDIA NVS 315 1GB NVIDIA NVS 510 2GB NVIDIA Quadro K420 1GB NVIDIA Quadro K620 2GB NVIDIA Quadro K2200 4GB AMD FirePro W2100 2GB
Network Interface Card	Intel I218LM PCIe GbE Controller (integrated) Intel Ethernet I210-T1 PCIe NIC HP 361T PCIe Dual Port Gigabit NIC (PCIe x4) HP X520 10GbE Dual Port Adapter HP 10GbE SFP+ SR Transceiver HP X540-T2 10GbE Dual Port Adapter
Keyboard	HP PS/2 Standard Keyboard HP USB Standard Keyboard HP USB Smart Card Keyboard
Mouse	HP PS/2 HP USB Optical

	HP USB Optical 3-button
Operating System	Windows 8.1 Professional (64-bit) Windows 8.1 (64-bit) Windows 8.1 Emerging Market Windows 8/8.1 Enterprise (64-bit) Windows 7 Enterprise (64-bit) Windows 7 Professional (64-bit) SUSE Linux Enterprise Desktop 11 HP Installer Kit for Linux Red Hat Enterprise Linux Desktop Ubuntu 14.04
Miscellaneous	LSI 9217-4i4e 8-Port SAS 6Gb/s RAID Card HP 15-in-1 Media Card Reader Optical Drive Bay Carrier Kit Z4 Fan & Front Card Guide Kit Z440 Memory Cooling Solution HP Thunderbolt 2 PCIe 1-Port I/O Card

