

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER

CERTIFIED COMPUTER TECHNOLOGY AS

PLACE OF

Glynitveien 33 - 1400 SKI

PRODUCTION

Norway

DESCRIPTION

Intel Pentium 4 based maritime computer including marine kit.

TYPE

AMOS A4200M

For approval details and technical description refer to attached Design Appraisal

Document No. 04/00022.

APPLICATION

Marine and offshore applications in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval Test Specification No. 1: 2002 where the Test Specification is satisfactory for the

intended operation.

SPECIFIED STANDARD

Manufacturer's Specification

ADDITIONAL

TESTS

Low Temperature:

15°C for 16 hours: IEC 60945 (Fujitsu

Automotive Drive)

Compass Safe Distance: Standard 1.2 m, Steering 0.85 m (IEC 60945)

OTHER CONDITIONS

Approved when fitted with the appropriate marine kit supplied by

Certified Computer Technology.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No.04/00022 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.

04/00022

Issue Date

30 March 2004

Expiry Date

29 March 2009

Sheet

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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
30 March 2004	DAPP/ MSG/ECE/TA/W00449219/MHR/O- 45286

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: CERTIFIED COMPUTER TECHNOLOGY AS For: INTEL PENTIUM 4 BASED MARITIME COMPUTER INCLUDING MARINE KIT Type: AMOS A4200M TYPE APPROVAL CERTIFICATE No. 04/00022

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request form	26.01.2004
Certified Computer letter	12.12.2003
Lloyd's Register Oslo memo	02.02.2004
User Manual A4200M Maritime Computer (Revision 1.0)	Undated
Certified Computer letter	25.03.2004
Data Sheets	
Technology Summary (FUJITSU)	04.03.2003
A4200M: Intel Pentium 4	Undated
Drawings	

Drawings

21260-1 28.01.2003

Technical Details

Intel. (845EB2L / 865GLCL)	
Intel Pentium 4 or Celeron	
400/533/800 Mhz	
Kingston, Apacer	
Standard: Hitachi Deskstar	
Temperature range: -5°C to +70°C	
IEC 60945: Fujitsu Automotive drives	
Temperature range: - 15°C to + 70°	
Teac	
Slim line (Notebook type) CD, CD-RW, DVD or	
DVD-RW	
Matrox: G550 / G650	
Intel: PWLA8390MT, 8492MT or 8490XTL	
Low profile Sunix 2 or 4 port	
Siemens	
Pentium 4, 1U	
CCT special design.	