

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	ISIC A/S
PLACE OF PRODUCTION	Edwin Rahs Vej 54 DK-8220 Brabrand Denmark
DESCRIPTION	Personal Computer Marine PC with options for: <u>Supply Voltage:</u> 230/115Vac (50 Hz/60 Hz) 300W or 24Vdc 200W <u>Main Boards:</u> Intel Corporation D945GNT series, ATX <u>Processor:</u> Intel Pentium 4 Celeron D 2.53-2.93GHz, 533 MHz FSB, Socket 775 or Intel Pentium 4 3.0 GHz, 800MHz FSB, 1-2 MB L2-Cache, Socket 775. <u>RAM size:</u> 0.256, 0.512, 1 or 2 GB <u>Feature Cards:</u> connection of serial links: RS232, RS422, RS485; 10/100MB/s Ethernet (cable or fibre), Radar Overlay Card and graphics card. <u>Hard Disk:</u> Hitachi Travelstar 2.5" series E7K60/E5K80/E5K100. <u>Optical Disk:</u> Lite - On; MSI or Samsung Samsung SH-W 163A/BEBN, CD-ROM R/W+DVD R, SATA <u>Enclosure:</u> ISIC 3U Marine Cabinet ISIC 3U Marine Cabinet extended Lid
TYPE	PCM4-945 with options
APPLICATION	Marine and Offshore applications for use in environmental categories ENV1; ENV2 in "Bridge and Deck Zone" as defined in LR Specification No.1, 2002 where the test specification is satisfactory for the intended operation.
Certificate No.	07/70002
Issue Date	31.01.2007
Expiry Date	30.01.2012
Sheet	1 of 2


Poul Erik Hansen

Copenhagen Design Support Centre

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ADDITIONAL TESTS

"Low Temperature Test" to -15°C
"Dry Heat Test" to 55°C
Compass Safe Distance

STANDARD


IEC60945 ed.4, "Protected"
IACS E10 rev.4 May 2004

"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 TA 07/70002 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 07/70002
Issue Date 31.01.2007
Expiry Date 30.01.2012
Sheet 2 of 2

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