

# Type Approval Certificate



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

Certificate No. **26 195 - 05 HH**

Company **ISIC**  
**InnoScan Industrial Computers A/S**  
**Edwin Rahrs Vej 54**  
**8220 Brabrand, DENMARK**

Product Description **Maritime Computer**

Type **PCM4-8xx**  
**Version 845, 865**

Environmental Category **C; EMC1**

Technical Data /  
Range of Application **Power Supply : FSP 300 90 - 264 V AC or 18 ... 36 V DC**  
**Power Consumption : 300 W typical for AC, 200 W typical for DC**  
**Mainboard : IBASE Technology MB800H, ATX**  
**Intel Corporation D865GBFseries, ATX**  
**Processor : Intel Celeron, 2.4/ 2.5 GHz or Intel Pentium4, 2.8/ 3.0/ 3.2 GHz**

**Memory : 256 MB ... 1 GB DDR333/400 RAM modules**

**HDD: 40/60/80 GB IDE, 5400 RPM; 8 MB cache, 2.5", ATA-6**  
**CD ROM Drive : CD RW (32x); DVD ROM (16x Read)**  
**USB Ports: 4 x USB on back and 2 x USB on front 1.1 and 2.0 compliant**

**AGP Graphics Card**  
**Tests and Evidence regarding Requirement Class 3**  
**Test Software ISIC "Burn-In"**

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003**  
**Regulations for the Use of Computers and Computer Systems; IEC 60945:2002**

Documents **Test report : No. DANAK-198057 dated 01-09-2005; -198181 dated 23-12-2005; -**  
**1982326 dated 20-01-2006; -197547, Rrev. 2 dated 29-11-2005; -198899 Rev. 2 dated**  
**10-12-2007 , -198899 dated 30-10-2007 and -19K0547 Rev 1 dated 20-01-2009**

Remarks **None**

Valid until **2011-08-06**

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File No. **I.B.05**

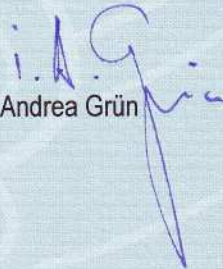
**Hamburg, 2009-05-26**

Type Approval Symbol



**Germanischer Lloyd**

  
Jürgen Wittburg

  
Andrea Grün

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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Optical drives : Samsung SH-S183A and Samsung SH-S203B (CD-ROM R/W + DVD R/W with SATA interface)  
FLASH Disc Drive: FlashDrive 2.5" Cactus SSD disk series 203, CTN 2008-1

## VGA

845 : Onboard Intel 845GE, AGP 4X.64 MB shared Memory, up to 2048x1536@60 Hz

865 : Onboard Intel Extreme 2, AGP 8X.64 MB shared Memory, up to 2048x1536@60 Hz

## LAN

PCI Ethernet Card 10Base-T/100 Mbps Base Tx

PCI Serial Communication Card

## PCI Radar Overlay Card

C-Map ADSP 160

## Additional documentation:

### User Manual:

PCM 4 manual 845 + 865 version Rev. C dated 03-2006

PCM 4 manual 945 version Rev. A dated 03-2006

CTN 2007-1-MB.doc

CNT 2007-2-disk.doc

CNT 2007-3-MB.doc

E5K100 DS.pdf - Data Sheet Hitachi disk series E5K100 (rev. 10/06)

E5K100 DS 9\_04.pdf - Data Sheet Hitachi disk series E5K100 (rev. 09/04)

E5K160 DS.pdf - Data Sheet Hitachi disk series E5K160 (rev. 03/07)

Travelstar E7K60 100504.pdf - Data Sheet Hitachi disk series E7K60 (rev. 10/04)

E7K100 DS.pdf - Data Sheet Hitachi disk series E7K100 (rev. 10/06)

MB800H.pdf - Data Sheet IBASE MB800H mainboard

MB800V.pdf - Data Sheet IBASE MB800V mainboard

Intel 845G chipset comparison.doc - Tabel describing the differences in chipset 845G and 845V

INTEL D865GBFL C3263401.pdf - Intel Desktop Board D865GBFL/D865GLC Technical Product Specification

ISIC Technical Note dated 17-09-2008

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