

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. **33 307 - 06 HH**

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

Product Description **Maritime Computer**

Type **PCM4; PCM4-9xx
Version 945**

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 : Intel Corporation D945GNT series and D965RY series, ATX
Processor : Intel Celeron, 2.53 GHz or Intel Pentium4, 2.8/3.0/3.2 GHz
Intel Corporation Core2Duo 2.13 GHz, 1066 MHz FSB, Socket 775
Intel Corporation Core2Duo 2.66 GHz, 1066 MHz FSB, Socket 775
VGA : Onboard Intel GMA 950, 64 MB shared Memory, up to 2048x1536@60 Hz
Memory : 256 MB ... 2 GB DDR2 400/533 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
LAN : PCI Ethernet Card10Base-T/100 Mbps Base Tx
PCI Serial Communication Card
PCIe Graphics Card
PCI Radar Overlay Card**

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, rev. 2 dated 29-11-2005; -198899 dated 10-12-
2007 and 30-10-2007, - 19K0547 Rev 1 dated 0-01-2009**

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
Jürgen Wittburg

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

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Tests and Evidence regarding Requirement Class 3
Test Software ISIC "Burn-In"

Mainboard: Intel Corporation D965RY series, ATX

Disk: Hitachi Travelstar 2,5" series E5K160, PATA
Hitachi Travelstar 2,5" series E7K100, PATA
Seagate Momentus 2,5" series ST9 5400rpm, SATA

Optical disk: Samsung SH-S183, CD-ROM R/W + DVD R/W, SATA
Samsung SH-S203, CD-ROM R/W + DVD R/W, SATA

Feature cards: MATROX Millenium G550 PCIe x1 graphics card.
NVIDIA GeForce 8800 GTS series PCIe x16 graphics card.
Intel PRO1000 GT, 10/100/1000 mbaud PCI Ethernet card
Intel PRO1000 PT, 10/100/1000 mbaud PCIe x1 Ethernet card

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

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A handwritten signature in blue ink, appearing to read 'i.v. Wittburg'.

Jürgen Wittburg

A handwritten signature in blue ink, appearing to read 'i.A. Grün'.

Andrea Grün

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