# A6100M
## A6XXX MARITIME SHOEBOX COMPUTER SERIES





- Fanless Design & low power consumption
- Intel® Pentium® M & Celeron® M Processors
- Wide Range AC or DC 24 V Input
- Ultra Compact size: 214mm (W) x 94.75mm (H) x 237.8mm (D) - 1 PCI
- Optional DVD RW or second PCI Expansion slot

** Preliminary data sheet. All specifications to be changed without notice!

Pending certification by:

# A6100M MARITIME SHOEBOX COMPUTER

**The A6100M is designed to combine maximum performance in ultra small form factor, to operate in rugged environments like ships or offshore.**

The computer is particularly useful in space critical installations, and in areas where low-power/high performance computing is essential. Each unit is individually manufactured to provide maximum quality and reliability. Integrated in the computer are components carefully chosen and designed to withstand rough environment like ship and offshore environment.

Despite of the small size, the A6100M computer has performance and flexibility like any state of the art computer in the market. The A6100M can be equipped with Flash storage up to 8GB to further extended longevity in any harsh environment. The A6100M is a flexible unit. One SATA-drive slot, one Compact flash slot, Watchdog timer and one PCI slot enables the design of customer specific OEM configurations. Optional a DVD RW can be installed or a second PCI Expansion slot (half length) can be available.

Maritime Classification Societies, like American Bureau of Shipping, Bureau Veritas, Det Norske Veritas, Germanischer Lloyds, Lloyds Register of Shipping and Nippon Kaiji Kyokai require the use of a Maritime Approved Computer in applications critical to the operation of a ship. This includes navigation, fire control, engine control, ballast control, cargo control, Voyage Data Recorders and other mission critical applications. The A6100M is designed to meet all the requirements to be type approved by all major classification societies.



## SPECIFICATIONS

**CPU:** Intel Pentium M (up to 2.0GHz) / Celeron M Processor

**MEMORY:** DDR SDRAM DIMM x 1, Max. 1 GB

**EXPANSION:** PCI x 1 (optional 2), PCMCIA slot x 2

**VGA / KEYBOARD / MOUSE:** DB-15 VGA Connector, PS/2 Keyboard & Mouse

**ETHERNET:** 10/100Base-TX RJ-45 connector x 2

**SSD:** Type II CompactFlash™ slot x 1

**HARD DISK STORAGE:** 2.5" HDD Automotive type

**SERIAL PORT:** RS-232 x 4
**AUDIO:** Mic-in / Line-in / Line-out by ext.cable
**USB:** USB 2.0 port x 4
**PARALLEL PORT:** Printer port x 1

**SYSTEM CONTROL:** Power on / off switch x 1, Reset button x 1

**LED INDICATOR:**
Power LED x 1, Hard Disk Drive active LED x 1

**WATCHDOG TIMER:** Generates a time-out system reset, setting via software

**POWER SUPPLY:**
DC Input 18V DC ~ 36V DC + Filterbox for Maritime compliance.
AC Input (External Power Adapter (Optional).
Input voltage: 100V AC ~ 240V AC @ 50 ~ 60Hz)

**CONSTRUCTION:** Rugged Aluminum Alloy chassis

**MOUNTING:** Wall-mount

**DIMENSION:**
1 PCI: *214mm x 94.75mm x 237.8mm (W x H x D)*
2 PCI: *214mm x 117.5mm x 237.8mm (W x H x D)*

**NET WEIGHT:**
1 PCI: *5.63kg*        2 PCI or DVD-RW: *6.21kg*

**ENVIRONMENTAL CONDITIONS:**
- Operating temperature: -15°C - +70°C
- Operating humidity: 30 - 90% (non Condensing)
- Non-operating temperature (): -20°C - +70°C
- Non operating humidity: 10 - 90% (non Condensing)

**PRODUCT COMPLIANCE/CERTIFICATION:**
IEC 60945 4th  / IACS E10

**OPTIONS:**
Miscellaneous cards for Serial, Network, Digital IO etc.
Drives: DVD-RW, Flash storage

p1_r1.0

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