



MARITIME FANLESS COMPUTER

CE-HW-0x

Key features

Intel® Core™ i7 ULV CPU (i7-4650U)

(Optional Intel® Core™ i5 (i5-4300U))

Maritime Approval all locations and CE

Fanless rugged design

AC 115-230V or DC 18-32V power input

4x Gigabit Ethernet

5x USB

Up to 5x RS 232/422/485

The rugged low power computer is designed and certified for maritime and offshore applications.

The computer is based on an Intel® Core™ i7 Ultra Low Voltage CPU (optional Core i5 ULV series), SSD storage with no rotational parts and up to 16GB DDR3 memory. This allows a fanless minimalistic design with low power consumption.



Technical specifications

System - Default configuration (Optional configuration in brackets)	
Processor	Intel® Core™ i7 ULV - 4650U (Optional Core™ i5 ULV processor series)
Memory	8GB DDR3L (Optional 4GB-16GB)
OS	Embedded Linux (Optional Microsoft® Windows® operating system)

I/O interface	
Ethernet	4x 10/100/1000Mbit Ethernet
Serial ports	1x RS-232/422/485 DB9 Isolated (Optional 5x RS-232/422/485 DB9 Isolated)
USB	2xUSB 3.0 + 3x USB2.0
Display out	1x DVI-D + 1x DVI-I
Audio	1x line in 1x line out

Storage	
SATA	128GB SSD M.2 (Optional up to 512GB SSD M.2)

Power	
Power supply	24V DC Nominal (18-32 VDC wide-range) Pluggable connector with latch (GND, V-, V+) (Optional 115V-230V AC power with IEC C14 3Pin connector and cable latch)
Power consumption	20W typical / 35W max

Mechanical	
Housing	Extruded and painted aluminum housing - Colour RAL 9005 Black
Dimensions	250mm (W) x 58mm (H) x 166mm (D)
Weight	3 kg

Environmental	
Operating* temperature range	-10 to +55°C (tested for -15 to +70°C)
Storage temperature range	-25 to +75°C
Humidity	Operating: 95%@40C (non-condensing)
Ingress protection	IP22

Certification	
CE, IACS E10, IEC 60945 DNV GL EU RO MR	

*Continuously running at operating temperature above 45°C will reduce the lifetime of the computer. For high temperature environment and use in enclosed cabinets/consols without airflow or cooling, a low noise fan kit is available. Recommended operating temperature is 25°C.