

# Vision CPU

## Vision CPU for Workstation

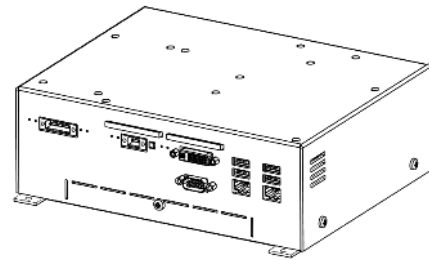


## Introduction

The Vision Workstation CPU features a fanless quad-core Atom CPU at 1.9Ghz, dual Ethernet (1Gb/s) and a redundant 24 VDC power supply.

The cabinet design supports stand-alone mounting as well as mounting on the back of the Vision monitor series. The cabinet acts as the CPU's heat sink, making it fanless and with no moving parts.

The operating range is from -25°C to +70°C making it ideal for use in panels and cabinets with restricted air-flow.

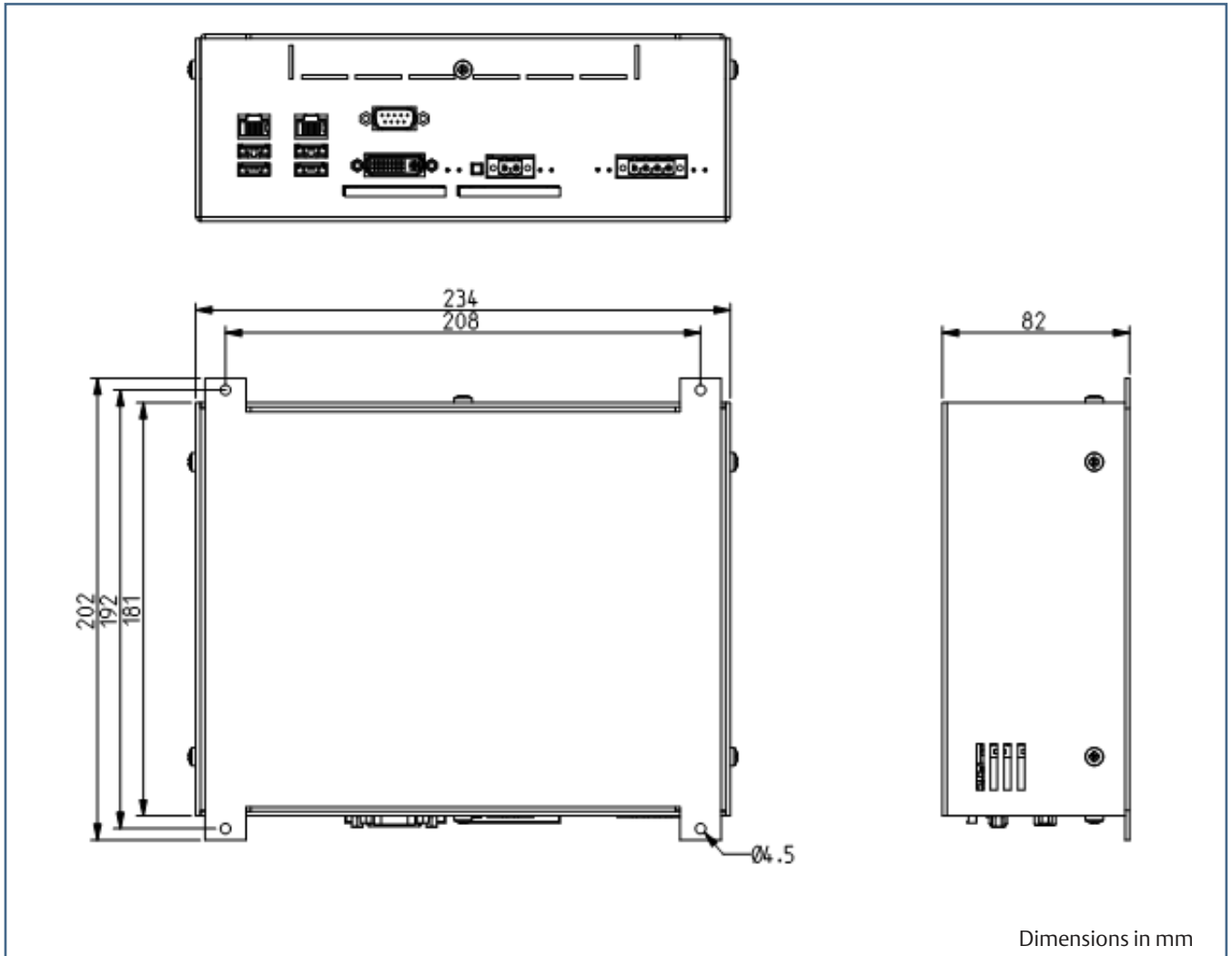


## Features

- Robust design adapted for the marine environments
- Software controlled output for relays or buzzer
- Dual CFast SSD
- Redundant dual ethernet
- Redundant 2 x 24VDC
- Auxiliary COM port RS232/RS485
- Backward compability with older Vision Systems
- Hardware watchdog

Item/Type	No.	Description
Vision CPU	165B9168	Vision CPU for Workstation

# Dimensions

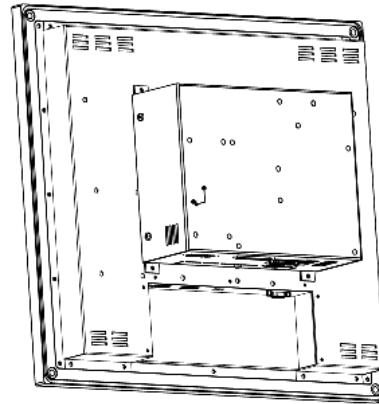


Dimensions in mm

## Vision CPU Mounted on Vision Monitors

The Vision CPU fits easily on the back of all the Vision Monitor series.

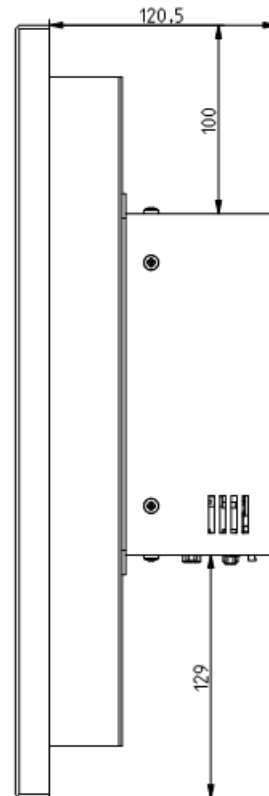
Assembly is done by fixing the CPU-box with four screws to the back of the monitor. Short link-cables for display and USB touch are available for compact fit.



Side view of Vision 17 with Vision CPU mounted on back.



Side view of Vision 19/24 with Vision CPU mounted on back.

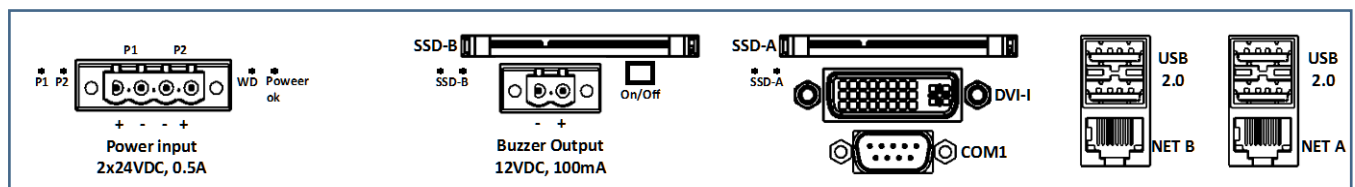


Dimensions in mm

# Technical Specifications

Vision Workstation CPU		
<b>CPU specifications</b>	Intel® Atom™ Processor E3845 (2M Cache, 1.91 GHz), 4GB RAM	
<b>Operating system</b>	Windows Embedded Standard 7	
<b>Supported display resolutions</b>	VGA	640 x 480
	SVGA	800 x 600
	XGA	1024 x 768
	SXGA	1280 x 1024
	UXGA	1600 x 1200
	FHD	1920 x 1080
	WUXGA	1920 x 1200
<b>I/O connectors</b>	Display	DVI-I (DVI and VGA)
	USB	4 x USB 2.0 Type A
	Net	2 x Ethernet (10/100/1000) RJ-45
	SSD	2 x CFast, 8 GB
	COM	1 x RS232/RS485
	Aux digital output	12 VDC, max 100 mA, 2-pin terminal-block
<b>Power controls</b>	ATX power on/off button	
	Resume after power loss.	
<b>Power supply and consumption</b>	Power input	2 x 24 VDC (18 - 32 VDC, common ground)
	Consumption	5 - 10 W (Idle - full load)
<b>Physical specifications</b>	Dimension	234 x 181 x 82 mm
	Weight	1.5 kg
<b>Environmental specifications</b>	Operating	-25° to +70° C, 95% humidity (for maximum lifespan, an operation temp. from ±0° to +40° C is recommended)
<b>IP-rating</b>	IP 20	
<b>Approvals</b>	Conform to IACS-E10 (2006) and IEC 60945 (En 60945-2002) To be type approved by DNV-GL, LR, BV, ABS, KR, RINA and CCS	

## I/O Panel - Connectors, Disks and LED's



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