

Vision CPU

Vision CPU for Workstation

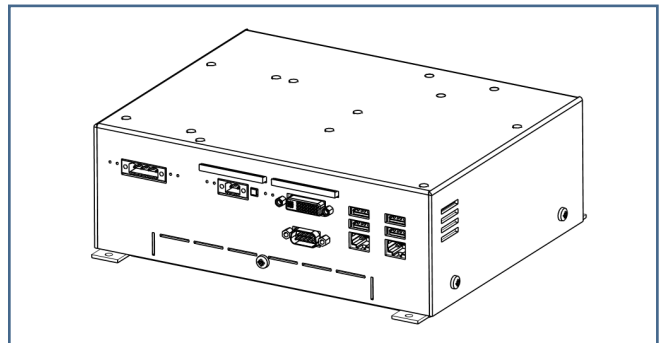


Introduction

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.

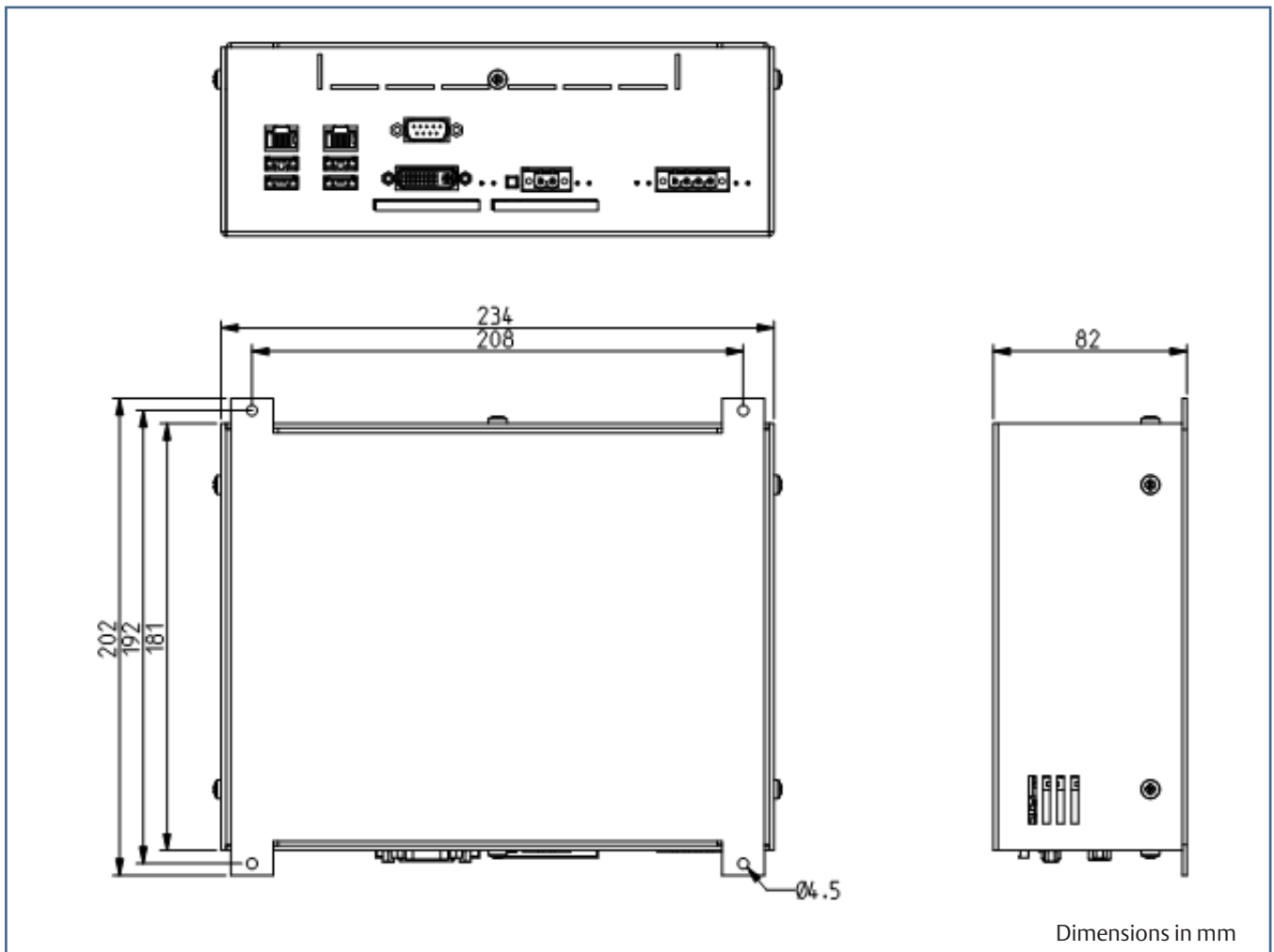


Features

- 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 with Windows 7
Vision CPU Win10	165B9168-2	Vision CPU for Workstation with Windows 10

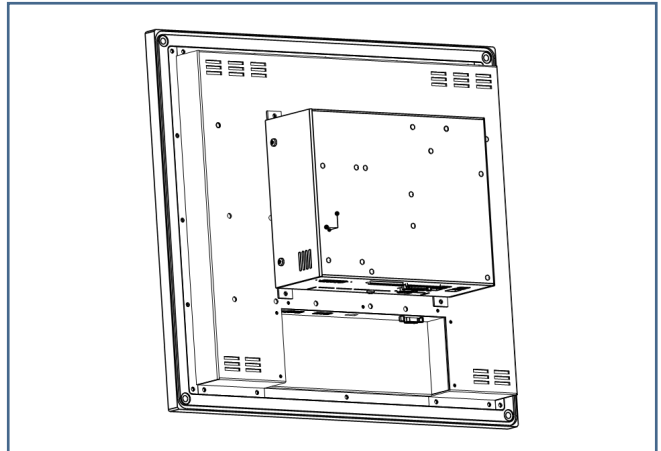
Dimensions



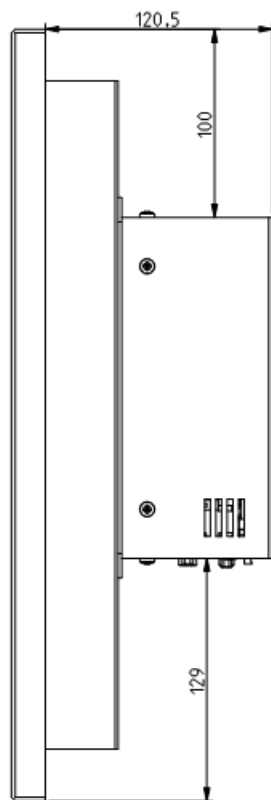
Vision CPU Mounted on Vision Monitors

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 19/24 with Vision CPU mounted on back.

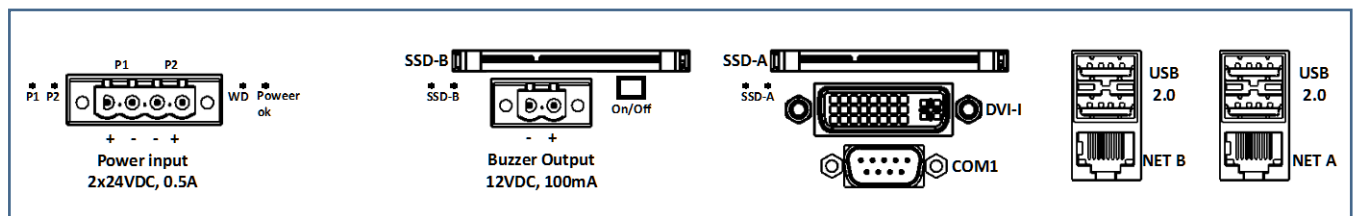


Dimensions in mm

Technical Specifications

Vision Workstation CPU		
CPU specifications	Intel® Atom™ Processor E3845 (2M Cache, 1.91 GHz), 4GB RAM	
Operating system	Windows Embedded Standard 7 Windows Embedded Standard 10	
Supported display resolutions	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
I/O connectors	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, 40 GB
	COM	1 x RS232/RS485
	Aux digital output	12 VDC, max 100 mA, 2-pin terminal-block
Power controls	ATX power on/off button	
	Resume after power loss.	
Power supply and consumption	Power input	2 x 24 VDC (18 - 32 VDC, common ground)
	Consumption	5 - 10 W (Idle - full load)
Physical specifications	Dimension	234 x 181 x 82 mm
	Weight	1.5 kg
Environmental specifications	Operating	-25° to +70° C, 95% humidity (for maximum lifespan, an operation temp. from ±0° to +40° C is recommended)
IP-rating	IP 20	
Approvals	Conform to IACS-E10 (Rev.8 2021) and IEC 60945 (En 60945-2002) To be type approved by DNV-GL, LR, BV, ABS, KR, RINA, NK and CCS	

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



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