

Vision SCC

Vision CPU for Supply and Communication Computer



Introduction

The Vision SCC is a customized computer for Rosemount Tank Radar.

Item/Type	No.	Description
Vision SCC	165B9170	Vision CPU for SCC

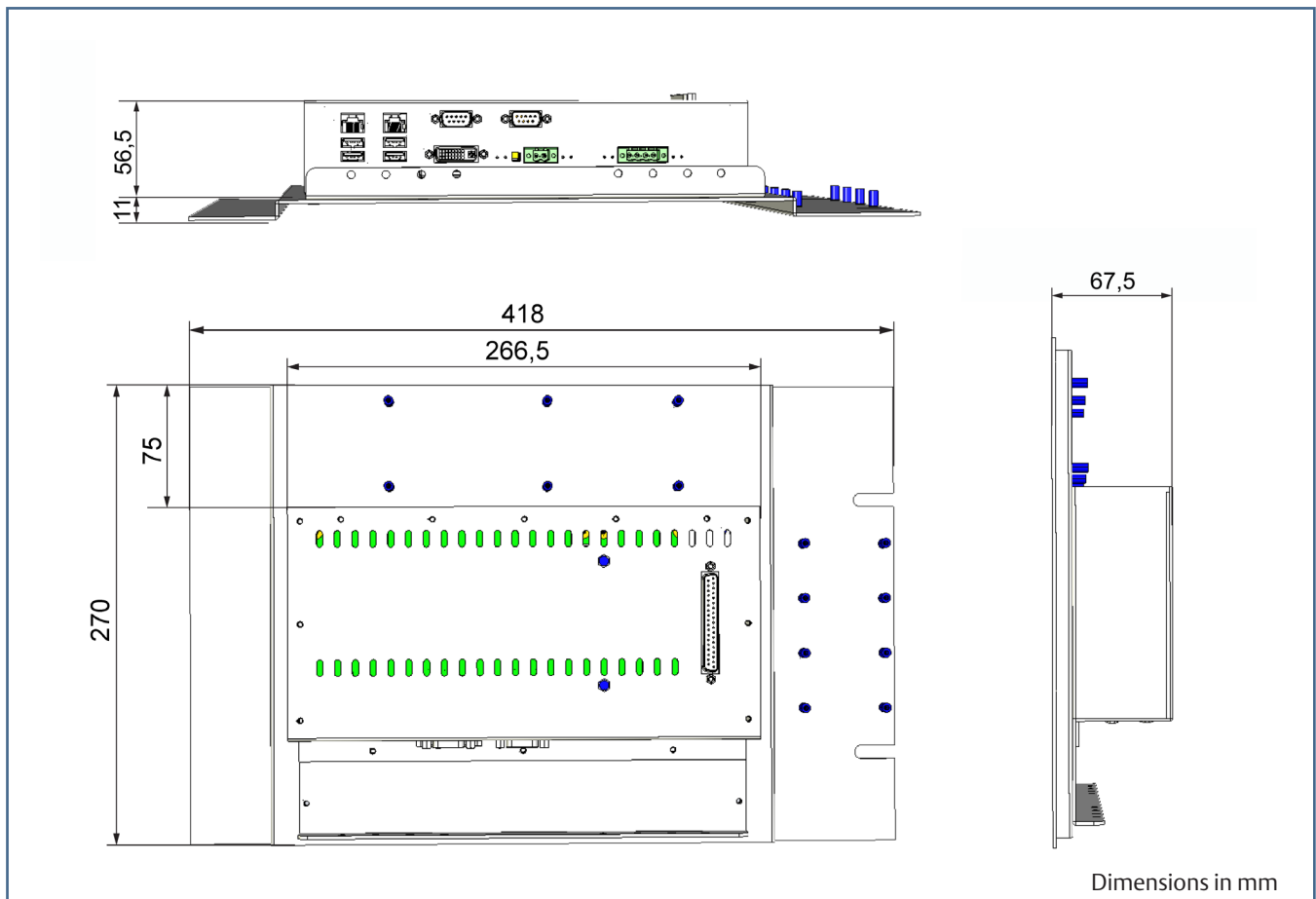
It features a fan-less quad-core Atom CPU at 1.9GHz with dual SSD, dual Ethernet (1Gb/s) and a redundant 24VDC power supply.

The Vision CPU is equipped with two build-in COM ports. Furthermore the SCC has four isolated COM ports capable of being configured as RS232 and RS485.

The temperature operating range is from -20°C to +70°C making it ideal for use in panels and cabinets with restricted air-flow.

The SCC computer itself is carried on a Rosemount Tank Radar designed mounting plate.

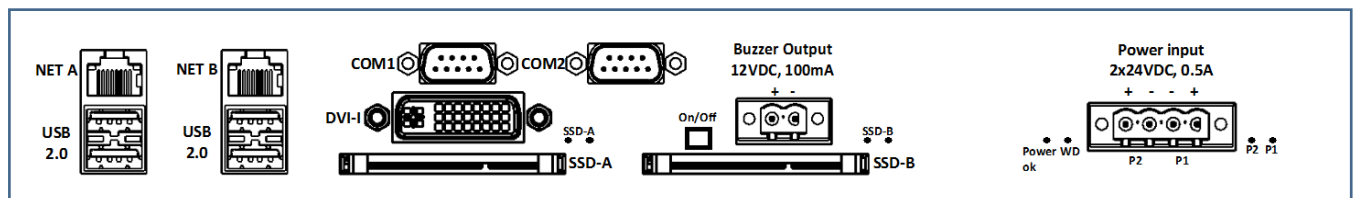
Dimensions



Technical Specifications

Vision SCC		
CPU specifications	Intel® Atom™ Processor E3845 (2M Cache, 1.91 GHz) 4 GB RAM	
Operating system	Windows embedded standard 7	
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
	Network	2 x Ethernet (10/100/1000)
	SSD	2 x CFast, 8 GB
	COM 1 - 2	RS232/RS485 non-isolated
	COM 3 - 6	RS232/RS485 isolated
	Buzzer output	12 VDC, max 100 mA, 2-pin terminal-block
	Power input	4-pin terminal-block
Power controls	ATX power on/off button	
	Resume after power loss	
Power supply and consumption	Power input	2x 24 VDC (18 - 32 VDC, common ground)
	Consumption	8 - 12 W (Idle - full load)
Physical specifications	Dimension	418 x 270 x 67.5 mm
	Weight	1.5 kg
Environmental specifications	Operating	-20° to +70° C, 95% humidity (for maximum lifespan, an operational temp. from ±0° to +40° C is recommended)
IP-rating	IP 20	
Approvals	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



Emerson Process Management

Damcos A/S
Aaderupvej 41
DK-4700 Naestved
T +45 5578 7200
F +45 5578 7272

www.EmersonProcess.com/mtm

Emerson Process Management

Rosemount Tank Radar AB
Box 13045
SE-40251 Sweden
T +46 31 337 00 00
F +46 31 25 30 22

www.EmersonProcess.com/mtm

©2015 Emerson Process Management. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Damcos® and the Damcos logotype are registered trademarks of Damcos A/S, Rosemount® and the Rosemount logotype are registered trademarks of Rosemount Inc. Damcos A/S and Rosemount Tank Radar AB are members of the Emerson Process Management family of companies. All other marks are the property of their respective owners.

The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, expressed or implied, regarding the products or services described herein or their use or applicability. Standard Terms and Conditions of Sale can be issued by contacting Damcos A/S or Rosemount Tank Radar AB. We reserve the right to modify or improve the designs and specifications of our products at any time without notice.

Damcos A/S and Rosemount Tank Radar AB accepts no responsibility for any errors that may appear in this publication.