



RDC4

VEHICLE ELECTRONICS

RUGGED DISPLAY & COMPUTER UNIT, 4.3"

The Rugged Display & Computer unit, RDC4, is based on the PowerView 480 module from Murphy. The RDC4 integrates electronic engine, transmission and equipment information into an easy to read, full-colour display interface.

Saab is able to meet specific customer needs for highly specialized products and services in a number of technical areas. Our rugged vehicle computer- and video- systems are designed to provide high levels of performance and reliability in the toughest environments. Whether your need is minimum space or maximum capability, we can provide a system to meet your specific application.



Front view



Rear view

Main design features

The RDC4 includes the Murphy's PV480 OEM LCD/PCB kit, function keys and signal/power protection electronics.

The unit has both CAN and RS422 interfaces.

For best daylight to night-vision performance, the RDC4 is provided with a low reflection front glass and a TFT-display with LED-backlight.

The RDC4 can be further customized using the Murphy's PowerVision Configuration Studio software.

The RDC4 is designed for severe environmental conditions including vibration, shock, moisture, temperature, EMI etc. in accordance to MIL-STD-810 and MIL-STD-461.

- D38999 connectors
- Climatically sealed housing
- Easy maintenance, few parts
- Low power design
- Prepared for future functionality

Dimensions

Height	105 mm
Width	130 mm
Depth	64 mm (inclusive connectors)
Weight	0,7 kg

Miscellaneous

Power consumption: max. 15 W

Configuration

Standard configuration (PV480 kit)

- Microprocessor: Freescale iMX35, 32bit, 532MHz
- QNX Real-Time Operating System
- Flash Memory: 4 GB
- RAM: 128 MB DDR2 SDRAM
- 4.3" display element; 480*272 pixels (16:9), LED-backlight
- Luminance; min 600 nit
- 5 configurable function keys
- Operating Voltage: 16-32 VDC

Standard interfaces

- J1 Power, CAN J1939, USB
- J2 Power, RS422

Options

- Customized connector configuration
- *Note: regarding options and configurations, please contact Saab.*

External connectors

The unit is equipped with two rear connector type MIL-C-38999, series 3.

Environmental

- Operating temperature: -20°C to +71°C
- Storage temperature: -40°C to +80°C

Mechanical interface

The RDC4 is designed to be fixed mounted in the vehicle. Normally external damping devices are not required.

However, in specific vehicles, external dampers could be required (please consult Saab).

Specifications subject to change without notice

