



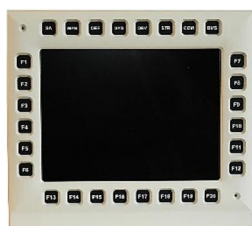
RDC10

VEHICLE ELECTRONICS

Rugged Display Computer, 10"

The Rugged Display & Computer unit, RDC10, includes an Intel® Core™ i7 CPU-platform, a number of external interface ports and customized connector housing/ connector configuration. The RDC is designed to comply with contemporary standards such as DEF STAN 23-09 GVA and STANAG 4754 NGVA.

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 RDC10 is a fully rugged high performance display computer unit developed for use in military vehicles.

For best daylight to night-vision performance, the RDC10 is equipped with a low reflection touch screen and a TFT-display with LED-backlighting.

The RDC10 is designed and approved for severe environmental conditions including vibration, shock, moisture, temperature, EMI etc. in accordance to MIL-STD-810 and MIL-STD-461.

Configuration

- Intel® Core™ i7-7600U, 3MB cache,
- HD Graphics 620
- SDRAM; 8 GB soldered
- SSD; 32 GB, MLC, industrial grade
- 10.4" display; 1024*768 pixels, LED-backlight
- Luminance; max 600 nit
- NVIS/NVG-adaptation, dimming range 10.000:1, red colour reduction
- Resistive touch screen; 8-wire, low reflection, glass-glass type
- 28 function keys
- Internal status supervisory and log
- Power input according to MIL-STD-1275, possible restart during crank
- Prepared for Windows or Linux

External connectors

- Fully PC-compatible external interfaces
- MIL-38999 connectors
- Climatically sealed housing, IP65
- Easy maintenance, few parts
- Low power design
- Prepared for future functionality

Mechanical interface

The RDC10 is assumed to be fixed mounted in the vehicle. External damping devices are not required.

Dimensions

Height	272 mm
Width	299 mm
Depth	86 mm
Weight	5,4 kg (approx.)

Options

- Power consumption: nom. 25 W, max. 75 W
- SDRAM; up to 16 GB
- SSD; SLC or MLC, up to 256 GB
- Customized key-top characters
- Customized connector configuration
 - PAL, NTSC or RS170 Video input
 - CAN
 - Digital video input/output; SAAB VDS
 - RS232, hardware handshake
 - Audio I/O
 - DVI-D output
- RTC-backup battery
- SAAB API for CAN/video
- Preinstalled operating system, BSP
- Power input according to DEF STAN 61-5 Part 6 Issue 6

Environmental

- Operating temperature: -40°C to +55°C
- Storage temperature: -46°C to +71°C

Specifications subject to change without notice

