



RVC

VEHICLE ELECTRONICS

Rugged Vehicle Computer with 9th generation Intel Xeon® CPU

The Rugged Vehicle Computer, RVC, is a versatile high performance computer prepared for future missions. The unit is developed for use in harsh environments, based on the latest RVC platform from Saab and includes a powerful 9th generation Intel® Xeon® - Single board computer platform. The RVC is equipped with PC-compatible interface ports such as DVI-D, Ethernet, USB etc. The RVC is designed to comply with contemporary standards such as DEF STAN 23-09 GVA and STANAG 4754 NGVA.



Front View



Rear View

Main design features

- Versatile vehicle computer with several configuration options
- High level of ruggedness
- Fanless cooling, no rotating parts
- No ITAR
- The RVC is assumed to be fixed mounted in the vehicle. External damping devices are not required
- Backwards compatible form factor
- Customizable colour and connector surface finish

Configuration

- Intel® 9th Generation Xeon® family
 - Intel Xeon® E-2276ML 6x2.0(4.2) GHz
 - Intel® UHD Graphics P630
- Trusted Platform Module, TPM 2.0
- SDRAM16-64 GB DDR4-2666 (ECC) *)
- 2.5" SSD; SLC/ MLC/ TLC/ hybrid, industrial grade, 120 GB – 2 TB, power protection *)
- Digital Video Ethernet interface Saab VDS or DEF STAN 00-82 *)
- Analog video inputs, NTSC, PAL or RS170 *)
- Power input according to MIL-STD-1275
- 1x DVI-D output to the Display
- 3x USB 2.0 ports
- 4x CAN 2.0B ports *)
- 2x Ethernet port, 10/100/1000Base-TX *)
- 4x RS232/RS422 ports
- Audio I/O *)
- Internal status supervisory and log
- Prepared for Windows® 10, Windows® 11 or Linux *)

*) Depending on configuration

Dimensions

Height	74 mm
Width	308 mm
Depth	207 mm
Weight	5 kg (approx.)

Environmental

- Comply to MIL-STD-810 and MIL-STD-461
- Sealed housing, IP65.
- Operating temperature: -40°C to +60°C
- Storage temperature: -46°C to +71°C

Options

- Integrated GPS-module

External connectors

- MIL-C-38999 series III connectors, Electroless Nickel

Specifications subject to change without notice

