



RKVM

VEHICLE ELECTRONICS

Rugged Keyboard Video Mouse Switch

The RKVM is a fully rugged keyboard, video and mouse switch. The RKVM makes it possible to share one DVI-D display and two USB 2.0 ports between two computers.

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 RKVM is a rugged, compact and stackable keyboard, video and mouse switch powered via USB. The selection between the computers is made by an integrated button on the front of the RKVM or via an external button. All electronics are protected in a rugged, sealed housing.

The RKVM is designed to be connected to a Saab rugged vehicle computer (RVC) with one single cable including power, USB and DVI-D. All electronics are protected in sealed aluminum housing. No external cooling is needed.

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

- Fully rugged
- Military connector
- Climatically sealed housing
- Fully PC compatible interfaces
- Compact design

Configuration

- One button for switching between computers
- Two DVI/USB-ports (Computer-ports)
- One DVI/USB-port (Display-port)
- Two auxiliary USB 2.0 - ports
- Hot Plug Detect signal
- DVI-D support
- Powered via USB (extended < 1A)

External connectors

The RKVM includes five connectors, types MIL-C-38999 series 3:

- **X1:** Computer #1
- **X2:** Computer #2

- **X3:** Display
- **X4:** USB in port (e.g. keyboard)
- **X5:** USB in port (e.g. mouse)

Mechanical interface

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

Dimensions

Height	59 mm
Width	207 mm
Depth	114 mm (exkl. rear connectors)
Weight	1,3 kg

Miscellaneous

Power consumption (approx.)

- Nominal 5 W, max 10 W (no load)
- Maximum power: 10W (full load)

Options

- Options and customized configurations, please contact Saab

Environmental

- Operating temperature: -40°C to +60°C
- Storage temperature: -40°C to +71°C

Specifications subject to change without notice

