



RUH

VEHICLE ELECTRONICS

Rugged USB HUB

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.

The RUH is a rugged and compact USB 2.0-Hub. The RUH includes one USB up-link port and four down-link ports. When disconnected/ reconnected the RUH is automatically detected as a USB-HUB (hot-swap).



Front view



Rear view

Main design features

RUH is designed to be connected to a USB port at Saab rugged vehicle computer (RVC-S01). RUH is powered via incoming +12 VDC (self-powered). One of the down-link ports also includes +12 VDC. RUH is also prepared to be bus-powered (VBUS, max 100 mA/port).

All electronics are protected in a sealed aluminum housing. No external cooling is needed.

The RUH 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
- Compact design
- Climatically sealed housing

Configuration

- USB interface, MIL-connector
- USB 1.1, 2.0, low/full/high speed
- Port 1,2 support max 0,7 A output current
- Port 3,4 support max 0,5 A output current
- Hot-swap
- Powered via incoming +12 VDC (self- powered) from RVC.

External connectors

- The RUH includes five connectors, type MIL-C-38999 series 3:
- U1: USB/12VDC in
- X1-X4: USB out

Mechanical interface

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

Dimensions

Height	59 mm (approx.)
Width	207 mm (approx.)
Depth	114 mm (exkl. connector)
Weight	1,2 kg (approx.)

Miscellaneous

Power consumption: nom. 2.5 W, max. 24 W

Options

- Options and customized configurations, please contact Saab

Environmental

- Operating temperature: -40°C to +55°C
- Storage temperature: -40°C to +70°C

Specifications subject to change without notice

