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).
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.

Options

- Options and customized configurations, please contact Saab

Dimensions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>59 mm (approx.)</td>
</tr>
<tr>
<td>Width</td>
<td>207 mm (approx.)</td>
</tr>
<tr>
<td>Depth</td>
<td>114 mm (excl. connector)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2 kg (approx.)</td>
</tr>
</tbody>
</table>

Miscellaneous

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

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.