



## FEATURES

**Standard 19" 1RU rack mount enclosure**

**Operational up to 50°C ambient**

**Dual power supply inputs with seamless switch-over**

**Multiple power source options with industry standard connectors**

**Customised versions available on request**

# ViaSat SB2 Rack Mount Modem

A ViaSat Surfbeam 2 Pro modem designed for rack-mounting, with multiple powering options and high cooling efficiency.

The standard ViaSat Surfbeam 2 Pro Modem is housed in a domestic enclosure and requires a 30VDC power source. This is not ideal for mounting in equipment racks or SNG vehicles.

The DBS rackmount SB2 encapsulates the modem in a standard 1RU chassis and employs a highly efficient cooling system, enabling the modem to operate in ambient temperatures up to 50°C.

Multiple powering options are available, with seamless switch-over should one of the power sources fail. There are 2x power inputs and customers can choose any combination of:

- Mains AC
- 9-36V DC
- 18-72VDC
- 100-200VDC

**Please specify at the time of order.**

Front panel LED indicators are provided for:

- PSU 1
- PSU 2
- Status
- TX
- RX
- Network Activity

**TX Modulation**

BPSK/QPSK/8PSK

**TX Symbol Rate**

0.625-20MSym/s

**User Bitrate (upload)**

up to 20Mbits/s  
Automatic power control and rate adaption

**RX Modulation**

QPSK/8PSK/16APSK

**RX Symbol Rate**

10-52MSym/s

**User Bitrate (download)**

up to 50Mbits/s

**Operational Temperature**

0° to +50° C

**Storage Temperature**

-35° to +65° C

**Humidity**

0 to 95% (non-condensing)

**Dimensions**

Size (WxDxH) 482x250x44mm (1RU)  
Weight 2.5Kg

**Power**

65W typical with transceiver running  
Dual PSUs with any combination of:  
90-255VAC  
9-36VDC  
18-72VDC  
100-200VDC

**Interfaces**

IP Data: RJ45 10/100/1000 BaseT  
AC Power Input: IEC C14 male  
DC Power Input: XLR 4-pin male  
RF in/out F-type female  
N-type female (option)  
SMA female (option)

**Indicators**

PSU1/PSU2/Status//TX/RX/LAN

**Part Number**

SB2RACK-1RU



Rear Panel (AC and DC PSUs fitted)