

SatRack

Unique, super-lightweight rack solution for portable satellite equipment, conforms to IATA guidelines

A Lightweight 19-inch Rack Case

Designed for ENG personnel who need their electronic equipment to arrive when they do, SatRack is a lightweight solution that can be hand carried on commercial airlines as checked luggage, saving time and avoiding additional baggage charges.

The weight restriction for checked baggage on commercial airlines is 23 kg (without premium) up to a maximum of 32 kg. The 4U x 480 mm (internal) chassis depth rack weighs only 8 kg allowing an additional 24 kg of equipment to be fitted.



The outer cover is made from 1000 denier texturised nylon, an abrasion and weather resistant material that is tear proof and will not rot. Ventilation panels help to keep equipment cool during operation in warmer climates with protective, velcro-fastened cover flaps for transportation.

To protect equipment against shock and vibration, the internal 19-inch chassis is shock mounted on eight cylindrical elastomeric anti-vibration mounts. These are set at a 45° angle to offer optimum shock resistance during handling and transit conditions, regardless of orientation.



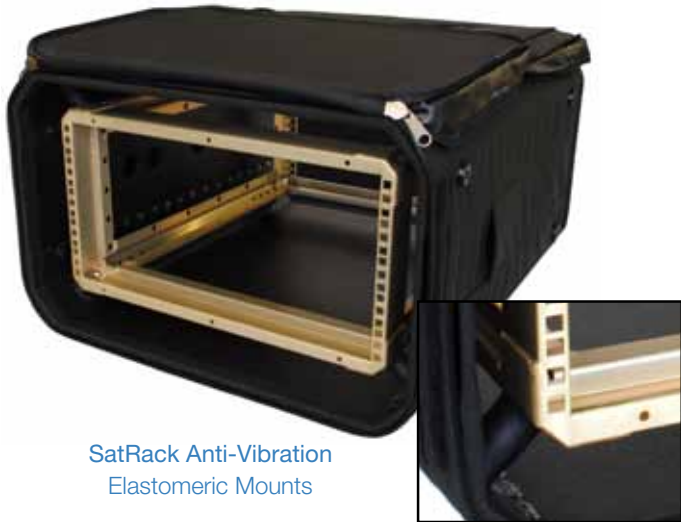
The body shell is constructed from thermo-formed 10 mm honeycomb polypropylene (HPP). HPP has a high strength to weight ratio and is non-crushable. Thermo-forming does not crimp the HPP, giving the angled edges longitudinal strength and rigidity with a stacking capability of 100 kg.

The HPP body shell is encased within a 3 mm HDPE foam jacket which helps to insulate the rack and offers cushioning to create a 'carry friendly' piece of ruggedised luggage. HDPE foam is closed cell, alkaline and oil resistant and impervious to the elements.

| STANDARD SIZES | | | | | | |
|----------------------|--|------------------------|--------------------------|-----|-----|-----------|
| Part Code | U Height | Internal Chassis Depth | External Dimensions (mm) | | | Weight kg |
| | | | L | W | H | |
| SR0348 | 3U | 480 mm | 610 | 665 | 274 | 7.30 |
| SR0448 | 4U | 480 mm | 610 | 665 | 319 | 8.00 |
| SR0548 | 5U | 480 mm | 610 | 665 | 363 | 8.70 |
| SR0361 | 3U | 610 mm | 740 | 665 | 274 | 7.90 |
| SR0461 | 4U | 610 mm | 740 | 665 | 319 | 9.10 |
| SR0561 | 5U | 610 mm | 740 | 665 | 363 | 9.35 |
| SR0348HR | 3U | 480 mm | 610 | 443 | 274 | 6.60 |
| SR0448HR | 4U | 480 mm | 610 | 443 | 319 | 7.30 |
| SR0548HR | 5U | 480 mm | 610 | 443 | 363 | 8.00 |
| SR0361HR | 3U | 610 mm | 740 | 443 | 274 | 7.20 |
| SR0461HR | 4U | 610 mm | 740 | 443 | 319 | 8.40 |
| SR0561HR | 5U | 610 mm | 740 | 443 | 363 | 8.65 |
| OPTIONAL ACCESSORIES | | | | | | |
| Part Code | Description | | | | | |
| SR03S | Front and rear skirt for 3U SatRack | | | | | |
| SR04S | Front and rear skirt for 4U SatRack | | | | | |
| SR05S | Front and rear skirt for 5U SatRack | | | | | |
| SR03SHR | Front and rear skirt for 3U SatRack HR | | | | | |
| SR04SHR | Front and rear skirt for 4U SatRack HR | | | | | |
| SR05SHR | Front and rear skirt for 5U SatRack HR | | | | | |
| SRT001 | SatRack Trolley | | | | | |
| SRF01 | Large Fan | | | | | |
| SRF02 | Small Fan | | | | | |
| SRLH01 | Transparent Label Holder | | | | | |
| SR423 | Spare Rack Fixings | | | | | |

SatRack

- This unique rack case is fully compatible with all 19-inch rack-mountable equipment and is also available with a 1/2 rack chassis width (9.5 inch)
- The rack chassis is supplied with stainless steel captive M6 caged nuts allowing easy fitting of equipment
- As a rack case, equipment does not need to be unpacked and can be easily configured to be operational quickly after arrival.
- The aluminium chassis is suspended by eight cylindrical elastomeric anti vibration mounts which provide 40 mm of “sway” space between the rack and body shell.
- Heavy duty flag stitching around handles resists tearing under strain



SatRack Anti-Vibration
Elastomeric Mounts

SatRack has been successfully deployed by leading ENG organisations and the military including BBC, Sky, ABC, CBS News, Vislink, Schlumberger and Qinetiq.



Special 1/2 size SatRack



Additional options include:

- Wide range of optional colours available (standard black available for Quickship in seven days)
- Additional ventilation can be provided by small axial fans
- Optional protective skirt prevents the ingress of dirt combined with axial fans the fitted skirt helps to control airflow through the case
- Optional trolley is available for easy transit through airports

IATA Weight & Size Guidelines:

Checked baggage is accepted according to weight and size.



Each piece must weigh no more than 32 kilos (70 lb) and measure no more than 158 cm (62 in) adding the dimensions: height + width + length.

This “piece concept” was designed for flights to, from and within Canada and USA, but has been adopted by major carriers worldwide.

SatRack 4U x 480 mm chassis depth weighs only 8 kg allowing an additional 24 kg of equipment to be fitted and stay inside the limit. It also meets the dimensional requirement.

