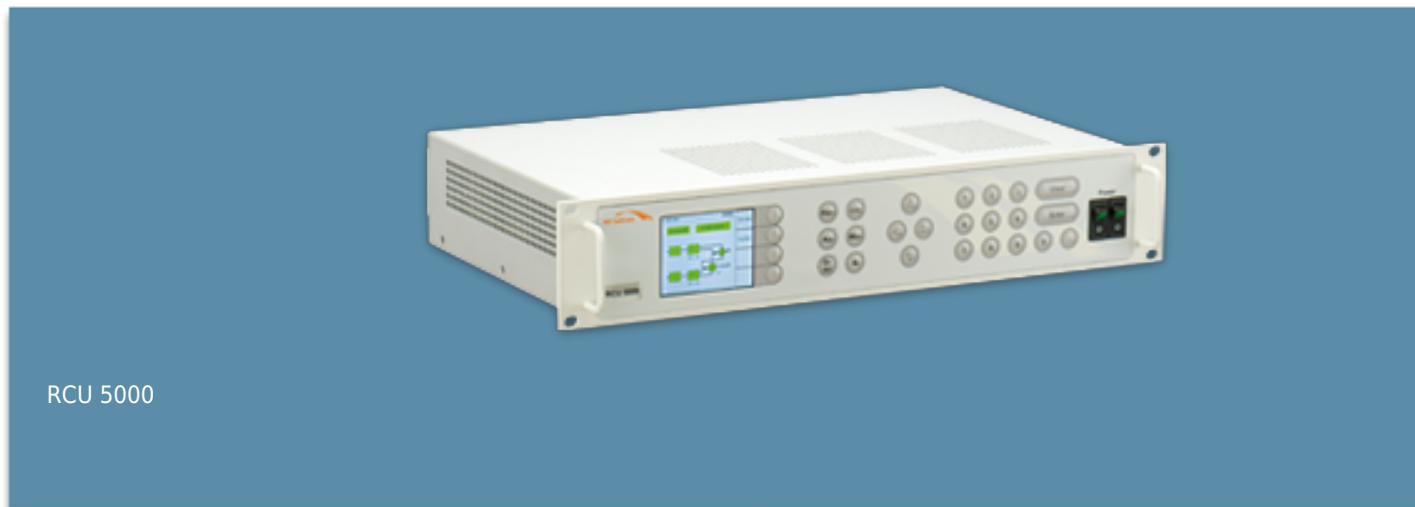


# REDUNDANCY CONTROL UNIT

RCU 5000

ND SATCOM



RCU 5000

**The ND SatCom RCU 5000 redundancy controller manages 1:1 redundant transmit chains and up to 3:1 redundant transmit chains as an option. It is ideally suited for the usage with ND SatCom components like TWT Amplifiers or SKYWAN.**

Up to three waveguide/coax switches can be controlled manually (via the front panel), automatically or by remote interface. The 2 RU device monitors the active transmit chain and switches automatically to the redundant chain in case of a failure. A redundant power supply further increases the reliability of the RCU 5000. A large graphic display visualizes the current state of the redundant system and enables the operator to monitor and control ND SatCom components. Operators can remotely supervise and control the status of the RCU 5000 and the transmit path via the M&C system or the Network Management System SKYWAN NMS.

## Key Features

- / Supports manifold redundant VSAT and uplink station configurations
- / Fully graphical display
- / Softkey support for local operation
- / Redundant power supply
- / Support of SNMP
- / Web server
- / Flexible inhibit configuration

## Interfaces

- / 10/100 BaseT Ethernet port
- / 4 RS485 interfaces
- / Parallel interface for 3 waveguide/coax switches
- / 8 independent alarm inputs

## Options

- / Internal 10 MHz reference source

## Technical Specifications

### REMOTE CONTROL INTERFACES

<b>Ethernet</b>	1 x 10/100 Base-T port
<b>Serial</b>	1 x RS232, SUB-D9
<b>Alarms</b>	1 x summary alarm output, SUB-D9

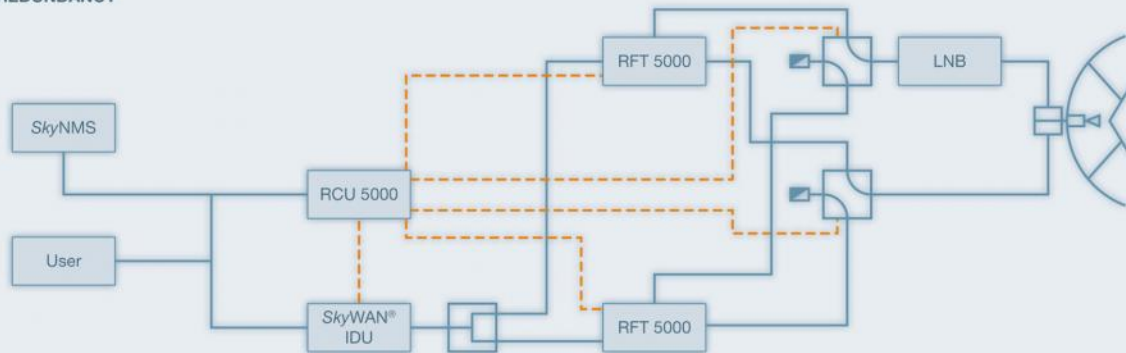
### REDUNDANCY SYSTEM INTERFACES

<b>Device control</b>	4 x RS485 (2 configurable as RS232)
<b>Alarm Inputs</b>	8 x independent (dry contact or open collector)
<b>Supported switches</b>	3 x waveguides or Coax

### RCU 5000 SPECIFICATIONS

<b>Reference Frequency Module (optional)</b>	10 MHz (I-Band loop-through) / SMA
<b>Temperature Range</b>	0°C to +50°C
<b>Humidity</b>	95% non-condensing
<b>Dimensions (L X W x H)</b>	350 mm x 19" x 2RU
<b>Weight</b>	3 kg
<b>Prime Power</b>	90 V - 240 V ac (Red. Power Supply)
<b>Power Consumption</b>	50 W max.

#### ODU REDUNDANCY



#### BROADCAST TRANSMIT CHAIN REDUNDANCY

