

# MSU11 1 : 1 MODEM SWITCHOVER UNIT



## HIGHLIGHTS

- Provides 1:1 redundancy for satellite modems
- 50 to 200 MHz IF.
- Independent Transmit and Receive switching
- Auto Switchover and Manual modes
- Redundant Power Supply
- Local or Remote Monitoring & Control.

## OVERVIEW

The MSU11 redundancy unit provides 1:1 redundancy support for CDOT satellite modems. It has IF interface of 50 to 200 MHz and various data interfaces available as hardware options. RS-485 serial interface is used for communication between the MSU11 and the modems.

Independent switching of Transmit and Receive chains possible. Switching options include Automatic (on generation of alarm) or Operator controlled.

AC/DC power input options provided, with power supply Redundancy.

Software available for configuration and monitoring of parameters on a PC. Complete user programming of connected modems through remote interface possible.

# MSU11 1 : 1 MODEM SWITCHOVER UNIT



## SPECIFICATIONS

### MODES

- Auto/Manual
- Local/Remote Programming
- Independent Transmit and Receive Chain Switching

### DATA PORT

Data Interface : RS-232, RS-449/422, V.35

### IF PORTS

Bandwidth : 50-200 MHz  
Impedence : 75 Ohms (50 Ohms optional)

### Transmit Parameters

Tx Insertion Loss : 1 dB  
Output Return Loss : 20 dB  
Tx Isolation : 50 dB

### Receive Parameters

Rx Insertion Loss : 3.5 dB  
Input Return Loss : 20 dB

### POWER SUPPLY

230V AC (-48V DC optional)

### MECHANICAL

Size: 19" Rack mountable, 2U