



Dual 6:1 SHF Switch

With local & remote control & monitoring via Ethernet & serial ports

Typical applications:

- Signal Carrier Monitoring of satellite feeds
- RF Switching for yachts, ships & other marine applications
- Redundancy switching for main & standby satellite dishes
- Redundancy switching for main & standby IRD / modems
- Redundancy switching for up-converters & down converters
- Remote controlled unmanned satcom sites



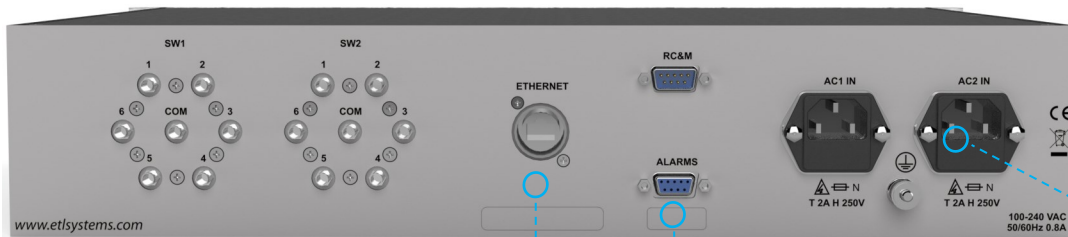
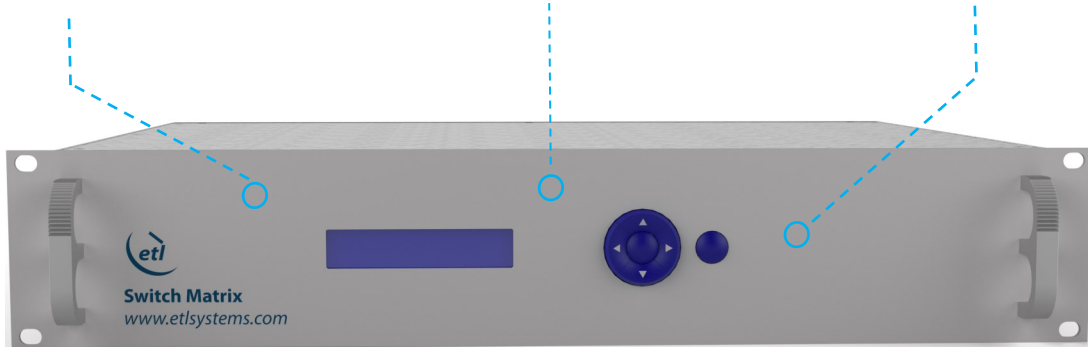
DC-18GHz
operating frequency range.



Local control & monitoring
via front panel push buttons & front panel LEDs



Compact dual 6:1 switch housed in a 2U high chassis



Remote control & monitoring via RS232 or RS422/485 serial ports & RJ45 Ethernet port with SNMP & web browser interface



Dry contact alarm port for power supply status



Resilience from dual redundant power supplies





Technical specifications and operating parameters

RF Parameters					
Capacity	Dual 6:1 Switch				
Input & output ports	50Ω SMA or N-type		All ports DC Pass		
Frequency Range	DC to 18GHz (SHF)				
Frequency	0-3 GHz	3-8 GHz	8-12.4 GHz	12.4-18 GHz	
Insertion Loss	0.5±0.5 dB	0.5±0.5 dB	0.5±0.5 dB	0.5±0.5 dB	
Gain Flatness	Full	±0.25 dB	±0.25 dB	±0.25 dB	±0.5 dB
	Any 80MHz	±0.2 dB	±0.2 dB	±0.2 dB	±0.2 dB
Input Return Loss	Typical	36 dB	22 dB	22 dB	20 dB
	Minimum	32 dB	20 dB	18 dB	18 dB
Output Return Loss	Typical	31 dB	23 dB	22 dB	20 dB
	Minimum	28 dB	20 dB	19 dB	18 dB
Isolation	60 dB maximum between any two output ports.				
Input RF Power	30 dBm absolute maximum				

Environmental	
Operating temperature	0 to 50°C
Location	Indoor use only
Storage temperature	-50°C to +70°C
Humidity	20 to 95% non-condensing
Altitude	10,000 feet AMSL (above mean sea level)

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	30W	Max. consumption at steady state
PSU	Dual redundant and alarmed. Diode OR.	
Hot-swap PSU	No	

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	6 kg
Colour	White RAL9003 semi-matte

System Control	
Local Control & Monitoring	Via push buttons & display on front panel
Remote Control & Monitoring	Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface.
Alarms	Dry contact (D-type) & Ethernet (RJ45) for PSU

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

