

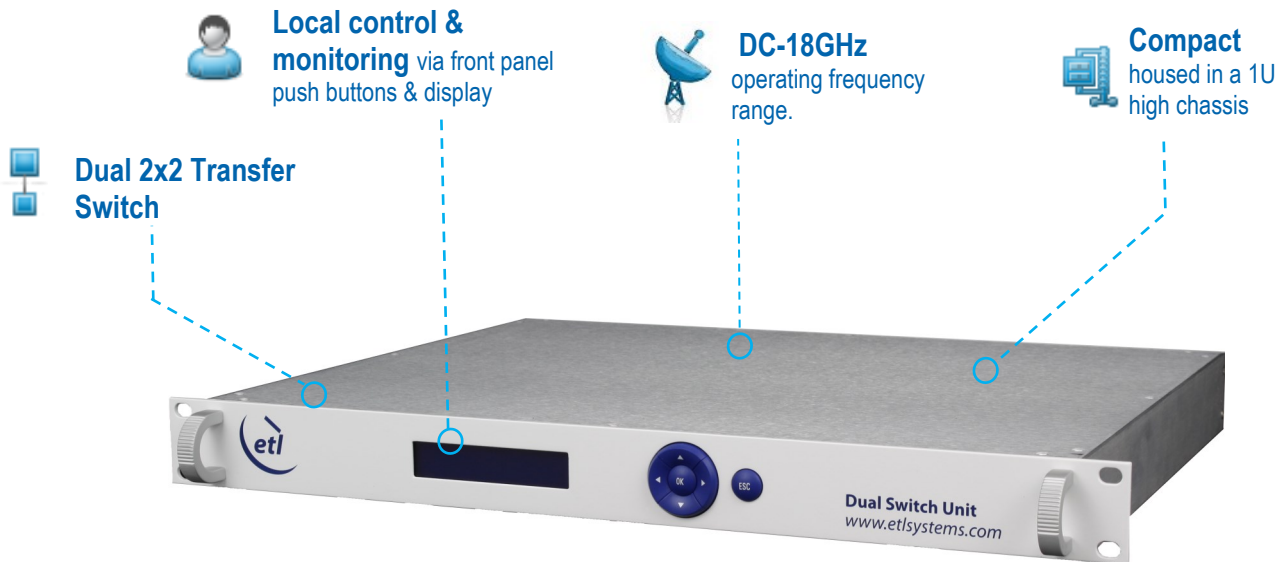


Dual 2x2 SHF Modem Transfer Switch

With local and remote control 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 & downconverters
- Remote controlled unmanned sitcom sites



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Dry contact alarm port & serial communications for power supply status



Resilience from dual redundant power supplies





Dual 2:2 Modem Transfer Switch with local and remote control via Ethernet & serial ports

Technical specifications and operating parameters

RF Parameters						Environmental		
Capacity	Dual 2:2 Switch					Operating temperature	0 to 50°C	
Switch Type	Transfer Switch					Location	Indoor use only	
Input & output ports	50Ω SMA	All ports DC Pass				Storage temperature	-50°C to +70°C	
Frequency Range	DC to 18GHz					Humidity	20 to 95% non-condensing	
Frequency	0 - 3 GHz	3 - 8 GHz	8 -12.4 GHz	12.4 -18 GHz		Altitude	10,000 feet AMSL (Above Mean Sea Level)	
Insertion Loss	0.2 dB	0.3 dB	0.4 dB	0.5 dB		Power		
Gain Flatness	Full	± 1.0 dB	± 1.0 dB	± 1.0 dB	± 1.0 dB	PSU Power	85-264Vac 50-60Hz Fused 2A	
	Any 80MHz	± 0.2 dB	± 0.2 dB	± 0.2 dB	± 0.2 dB	AC Consumption	30W Max. consumption at steady state	
Input Return Loss	Typical	20 dB	18 dB	16 dB	16 dB	LNB Power	None	
	Minimum	18 dB	17.7 dB	14 dB	12 dB	PSU	Dual redundant and alarmed	
Output Return Loss	Typical	20 dB	18 dB	16 dB	16 dB	Hot-swap PSU	No	
	Minimum	18 dB	17.7 dB	14 dB	12 dB	System Control		
Isolation (Max. between any two output ports)	80 dB	70 dB	65 dB	60 dB		Local Control	Via push buttons on front panel	
Input RF Power (Max)	50 dBm		Absolute maximum at 25 °C				Remote Control	Via RS232/422/485 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 & Amp. status	
						Physical		
						Dimensions	1U high x 350mm deep x 19" wide	
						Weight	5 kg	
						Colour	White 00-E-55 semi-gloss	

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.

