

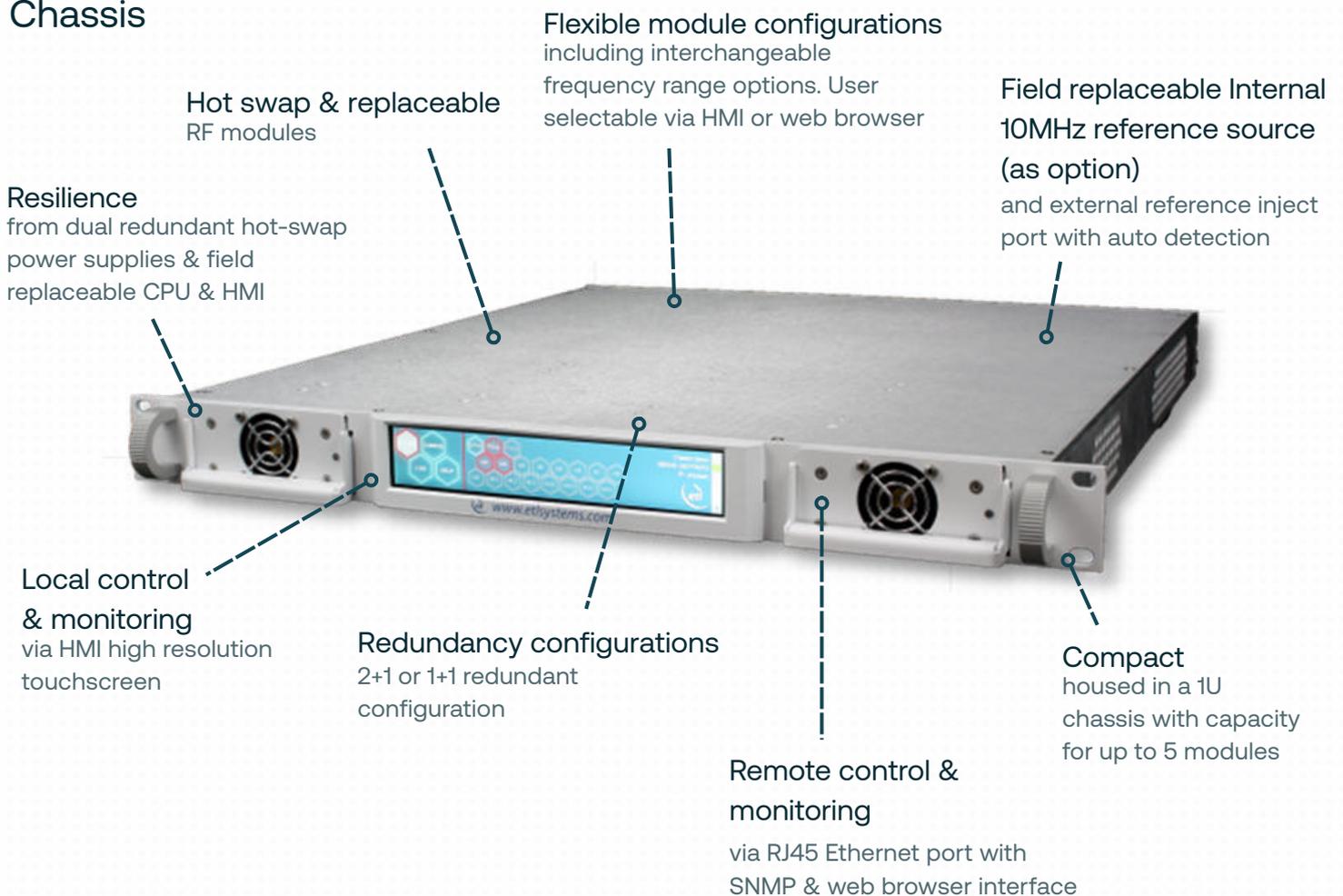
Swift Series DC-18 GHz SP4T Switch Module

Bidirectional 4x1 or 1x4 switch

The swift switch SP4T RF coax switch covers DC to 18GHz, occupying 2 slots for use in a 1U chassis, ODU chassis or 4&8 slot bench chassis. The switch is bidirectional so can be used as either a 4x1 or 1x4 switch.

The switch has Reflective (open) port behaviour when not switched. Other modules types are also available, these can be mixed and housed in the Genus range of chassis.

Chassis





RF Parameters				
Model Numbers	SWF-G1S-K1-208			
Capacity	1x4 (SP4T) or 4x1			
Impedance	50 ohms (Reflective (open) port behaviour when not switched)			
Switchover time	10ms (Max)			
Switch Life	10 000 000 Cycles (Min)			
Connector Type	SMA			
Frequency bands	DC-3 GHz	3-8 GHz	8-12.4 GHz	12.4-18 GHz
Insertion loss	0.2dB (Max)	0.3dB (Max)	0.4dB (Max)	0.5dB (Max)
Return loss	20dB (Min)	17 dB (Min)	15 dB (Min)	13 dB (Min)
Isolation (path to path)	80dB (Min)	70 dB (Min)	60 dB (Min)	60 dB (Min)
Maximum RF input power (Maximum average through switched path. Assuming worst case load VSWR of 2.)	180W	95W	80W	65W
Environmental				
Temperature	Operating: 0 to 50°C Storage: -20°C to +75°C			
Location	Indoor use only, within parent GENUS chassis			
Humidity	20 to 90% non-condensing			
Altitude	10,000ft / 3000m AMSL			
Physical Dimensions & Parameters				
Weight	TBC			
Dimensions	250mm x 42mm x 42mm			
Module finish	Unpainted aluminium			
Spec Version	0.1			

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.