

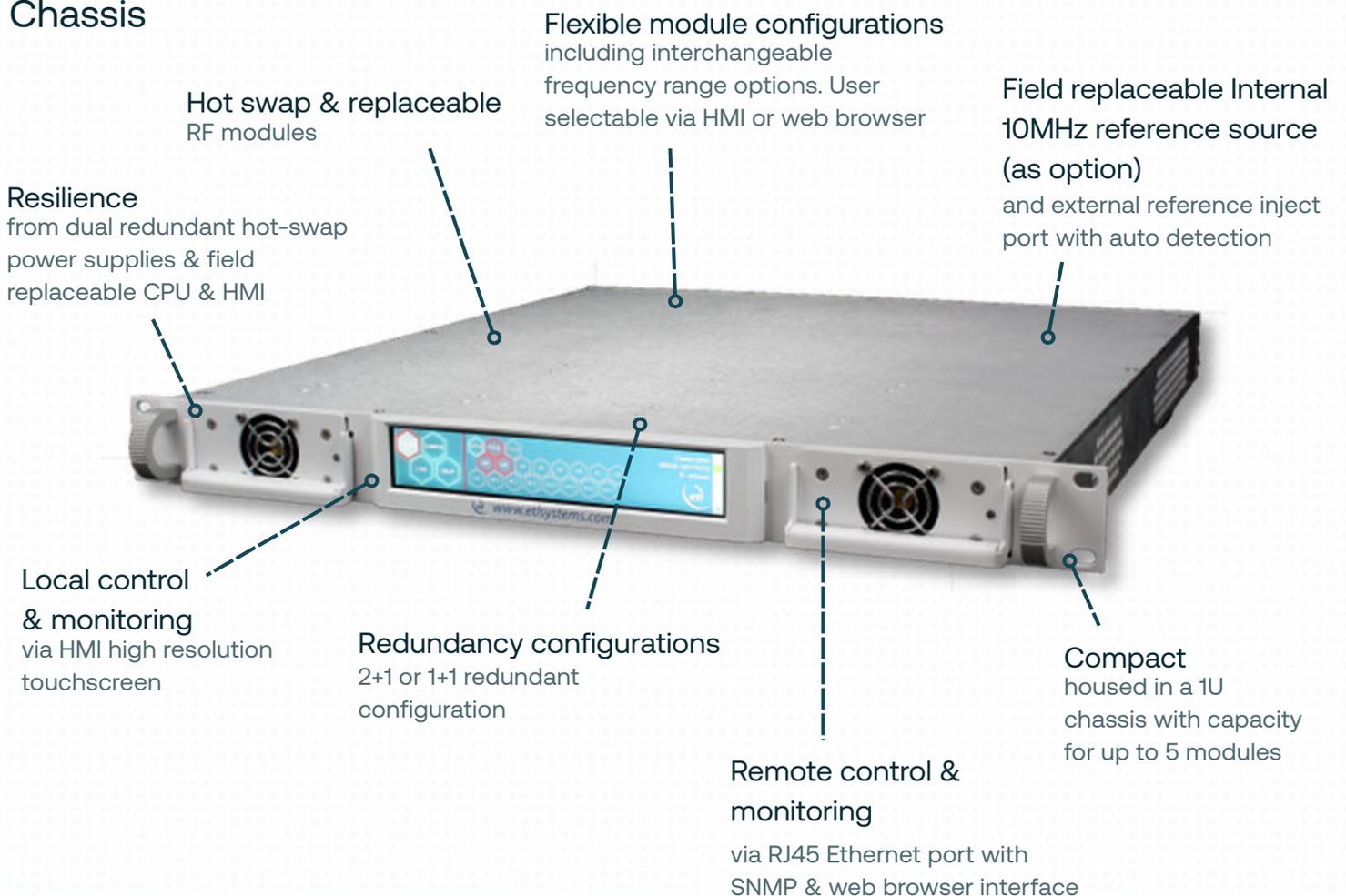
Swift Series DC-40 GHz SPDT Switch Module

Bidirectional 2x1 or 1x2 switch

The swift switch SPDT RF coax switch covers DC to 40GHz, 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 2x1 or 1x2 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-QX-205				
Capacity	1x2				
Impedance	50 ohms (Reflective (open) port behaviour when not switched)				
Switchover time	15ms (Max)				
Switch Life	10 000 000 Cycles (Min)				
Connector Type	SMA				
Frequency bands	DC-6 GHz	6-12.4 GHz	12.4-18 GHz	18-26.5 GHz	26.5-40 GHz
Insertion loss	0.3dB (Max)	0.4dB (Max)	0.5dB (Max)	0.7dB (Max)	0.8dB (Max)
Return loss	17 dB (Min)	15 dB (Min)	13 dB (Min)	11 dB (Min)	10 dB (Min)
Isolation (path to path)	70dB (Min)	60 dB (Min)	60 dB (Min)	55 dB (Min)	50 dB (Min)
Maximum RF input power (Maximum average through switched path. Assuming worst case load VSWR of 2.)	85W	60W	50W	20W	10W
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	<250g				
Dimensions	250mm x 42mm x 42mm				
Module finish	Machined 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.