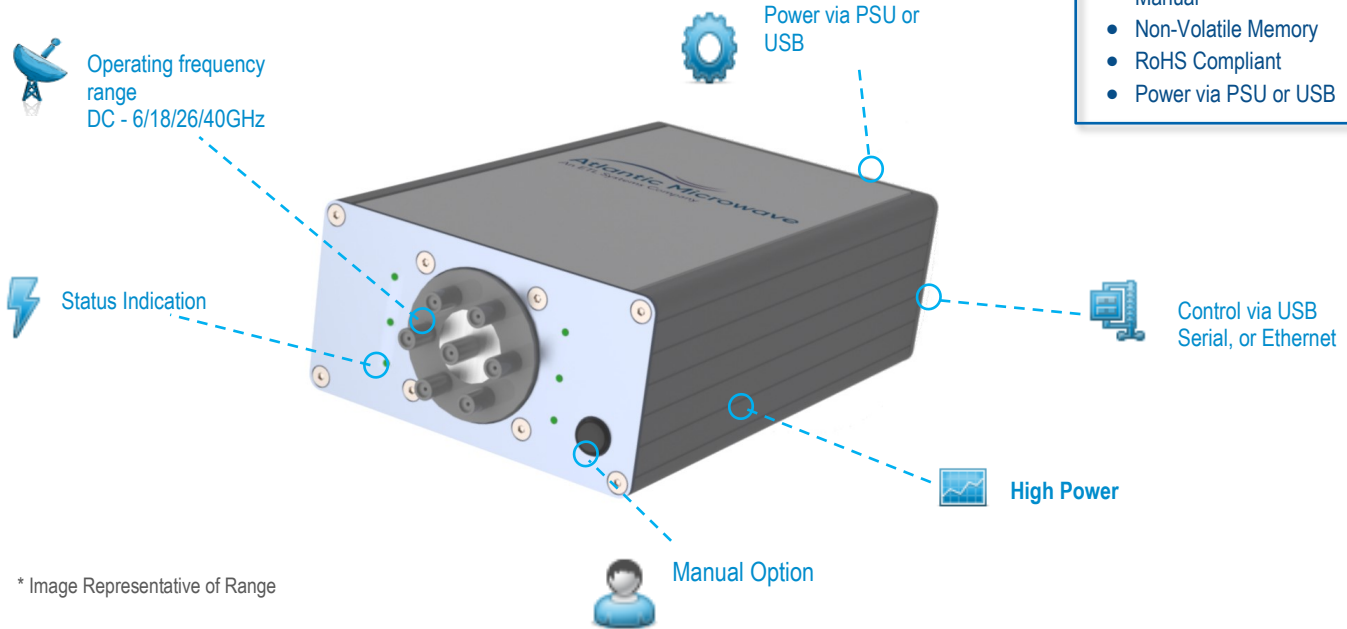


Smart Coax Switches, SCS Series

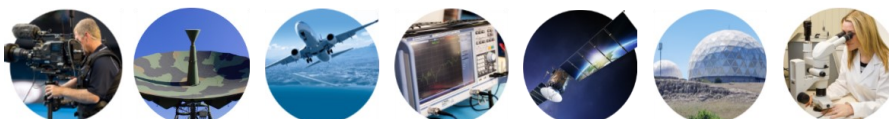
The SCS series of Smart Coax Switches are supplied with control software, USB to mini USB cable and AC power supply adaptor.

- DC - 6/18/26/40GHz
- DPDT/SP2T/SP4T/SP6T
- Low insertion loss
- High power
- USB, Ethernet and RS-232 Manual
- Non-Volatile Memory
- RoHS Compliant
- Power via PSU or USB



* Image Representative of Range

Interface	
Control Interface	USB: Virtual COM port, RS-232: 9-pin male D-sub connector, Ethernet: RJ45 connector
Control Modes	Direct selection via GUI / RS-232 Step-through via D-9 and manual
Control Trigger	GUI Pulse via D-9 Pin-4 (TTL level, >10ms) Manual pushbutton
Status Indicators	Power Selected Port
PC User Interfaces	Graphical User Interface Application Third-part terminal application (e.g. HyperTerm): • ASCII commands
Internal Memory	Non-volatile, automatically stores most recent settings
Power Input	DC Jack*: 12V, 250mA nominal, 600mA max. USB 3.0: 5V, 250mA nominal, 600mA max. *12V 1A AC/DC adaptor with 1.2m lead provided.
Switching time	15 ms max



RF Performance										
Model No.	Ways	Frequency GHz		Ret loss (min) dB	Ins Loss (max) dB	Isolation (min) dB	Max. Average power (W) ¹	Imp. Ohms	Conns	Port Type ²
SCS-SPDT-06-S-165062	2	DC - 6	DC - 3	20	0.2	80	85	50	SMA	R
SCS-SP4T-06-S-165064	4		3 - 6	17	0.3	70	85			
SCS-SP6T-06-S-165066	6									
SCS-SPDT-18-S-165182	2	DC - 18	DC - 4	20	0.2	80	85	50	SMA	R
SCS-SP4T-18-S-165184	4		4 - 8	17	0.3	70	70			
SCS-SP6T-18-S-165186	6		8 - 18	14	0.5	60	40			
SCS-SPDT-26-S-165262	2	DC - 26	DC - 8	16	0.3	70	95	50	SMA	R
SCS-SP4T-26-S-165264	4		8 - 18	14	0.5	60	65			
SCS-SP6T-26-S-165266	6		18 - 26	12	0.6	55	29			
SCS-SPDT-40-K-165402	2	DC - 40	DC - 8	16	0.3	70	22	50	2.92mm (K)	R
SCS-SP4T-40-K-165404	4		8 - 18	14	0.5	60	16			
SCS-SP6T-40-K-165406	6		18 - 40	8.5	1.1	45	3			
Environmental										
Operating	-20 to +50C									
Storage	-40 to +85C									
Mechanical										
Dimensions	163mm x 103mm x 53.0mm									
Weight	750g									
Material	Aluminium extrusion Aluminium endplates with black legend Rubber Feet									

¹ Average power at 25°C per RF path, assuming worst case load VSWR of 2.

² Port type when not switched: R - Reflective (Open) A - Absorptive (Terminated).

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.

