

Scorpion Rack Mount System

Chassis Mounting for ETL's Components

The Scorpion component mounting system from ETL provides a streamlined, cost-effective solution for mounting a variety of ETL's "Scorpion" series components, including passive L-band splitter/combiners, Variable Gain Amplifiers, and Fibre Optic standalone modules.

Designed for ease of use and compact efficiency, the Scorpion system allows for customisable assembly by following a simple three-step process: first, order the chassis; second, choose the appropriate modules from the selection; and third, select the necessary mounting plates. This versatile system ensures a tailored and organised setup for your critical RF and fibre optic components.



Compatible Modules

(Not an exhaustive list)

Passive Splitter/Combiner			
L-band (850-2150MHz)	Model		
	2-way	4-way	8-way
DC & 10MHz Pass	SCP-2502	SCP-2504	SCP-2508
DC & 10MHz Block	SCP-2603	SCP-2594	SCP-2591
Port 1 DC & 10MHz Pass (All other ports 10MHz DC blocked)	SCP-2543	SCP-2563	SCP-2564
Port 1 DC & 10MHz Pass (All other ports 10MHz DC blocked. 5A DC & 50V)		SCP-2677	
DC Block & 10MHz Pass	SCP-2606	SCP-2534	
DC & 10MHz Pass on all ports (DC is blocked between output ports)	SCP-2681		
IF-Band			
DC Block & 10MHz Pass	SCP-2773 (10-1000MHz)	SCP-2679 (50-100MHz)	SCP-2688 10-200MHz
Broadband (10-3000MHz)			
DC & 10MHz Pass	SCP-2680		
Wideband (850-2450MHz)			
DC & 10MHz Pass	SCP-2723	SCP-2712	SCP-2713
Active Wideband (20-2150MHz)			
DC Block & 10MHz Pass		246002	

Multiplexers	
L-Band (850-2150MHz)	Model
DC Block on RF Port	MUXL1P-4100
DC Pass on RF Port	SCP-4101

Bias-Tee	
	Model
L-Band (850-2150MHz)	TEEL1-4007

Variable Gain Amplifiers			
L-band (850-2150MHz)	Model		
	Inline Powered	External Powering	
DC & 10MHz Pass	A-VGAL1-3014	A-VGAL1-3019	
DC & 10MHz Block	A-VGAL1-3011	A-VGAL1-3016	A-VGAL1-3017 LNB Inject
Port 1 DC & 10MHz Pass	A-VGAL1-3013	A-VGAL1-3018	
S-Band (850-2500) DC & 10MHz Block	A-VGAS2-3039		

Couplers			
	Coupling Factor	Spec	Model
L-Band (850-2450MHz)	10dB DC Current 3 5A Max.	Thru Port DC & 10MHz Pass Coupled Port 10MHz DC blocked	SCP-4307
	20db		SCP-4306
	10dB DC Current 5A Max.		436000

StingRay RF Over Fibre		
	Model	
	Transmit	Receive
L-Band (850-2450MHz)	SRY-TX-L1-481	SRY-RX-L1-482
Broadband (50-2450MHz)	SRY-TX-B2-403	SRY-RX-B2-404

Modules can be supplied in 50 ohm N-type, SMA, BNC or 75 ohm BNC or F-type. This is not an exhaustive list of available modules. Please, contact us for more details.

Mounting Plates

(Not an exhaustive list)

Model Number	Compatible Chassis	Supported Modules
2-way & Couplers		
SCP-PAN-2W	SCP-1U-11	2 x Scorpion 2-Ways or compatible Couplers per plate Connectors at rear of the chassis
SCP-PAN-2WFR	SCP-1U-11	2 x Scorpion 2-Ways or compatible Couplers per plate Connectors at front of the chassis
4-way		
SCP-PAN-4W	SCP-1U-11	1 x Scorpion 4-Way per plate, Connectors at rear of the chassis
SCP-PAN-4WFR	SCP-1U-11	1 x Scorpion 4-Way per plate, Connectors at rear of the chassis
8-way		
SCP-PAN-8W	SCP-1U-11	1 x Scorpion 8-Way per plate, Connectors at rear of the chassis
SCP-PAN-8WFR	SCP-1U-11	1 x Scorpion 8-Way per plate, Connectors at front of the chassis
SCP-PAN-8RC	SCP-1U-11	1 x 2500 series 8-Way per plate Multiports through the front and common port at the rear of the chassis
SCP-PAN-8FRC	SCP-1U-11	1 x 2500 series 8-Way per plate Multiports through the rear and common port at the front of the chassis
Multi-function		
SCP-PAN-2/4W	SCP-1U-11	Capacity to mount 2 off 2500 series 2-Way (or Coupler) units or 1 off 2500 series 4-Way plus 1 off 2-Way (or Coupler) per plate, All connectors accessed from rear of chassis
SCP-PAN-234FRC	SCP-1U-11	Capacity to mount 1 off 2, 3, 4-Way from our 2500 series per plate Common port connector accessed through the front of the chassis
Amplifiers		
SCP-PAN-VGA2-L	SCP-1U-11	2 x Variable Gain Amplifiers, Modules Mounted to the left side of the plate Connectors at front of the chassis
SCP-PAN-VGA2-R	SCP-1U-11	2 x Variable Gain Amplifiers, Modules Mounted to the right side of the plate Connectors at front of the chassis
StingRay Fibre		
SCP-PAN-SRY	SCP-1U-11	2 x Stingray Fibre Modules, Connectors at front of the chassis
Blanking Plate		
SCP-PAN-BLANK	SCP-1U-11	Blank Front Plate

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.