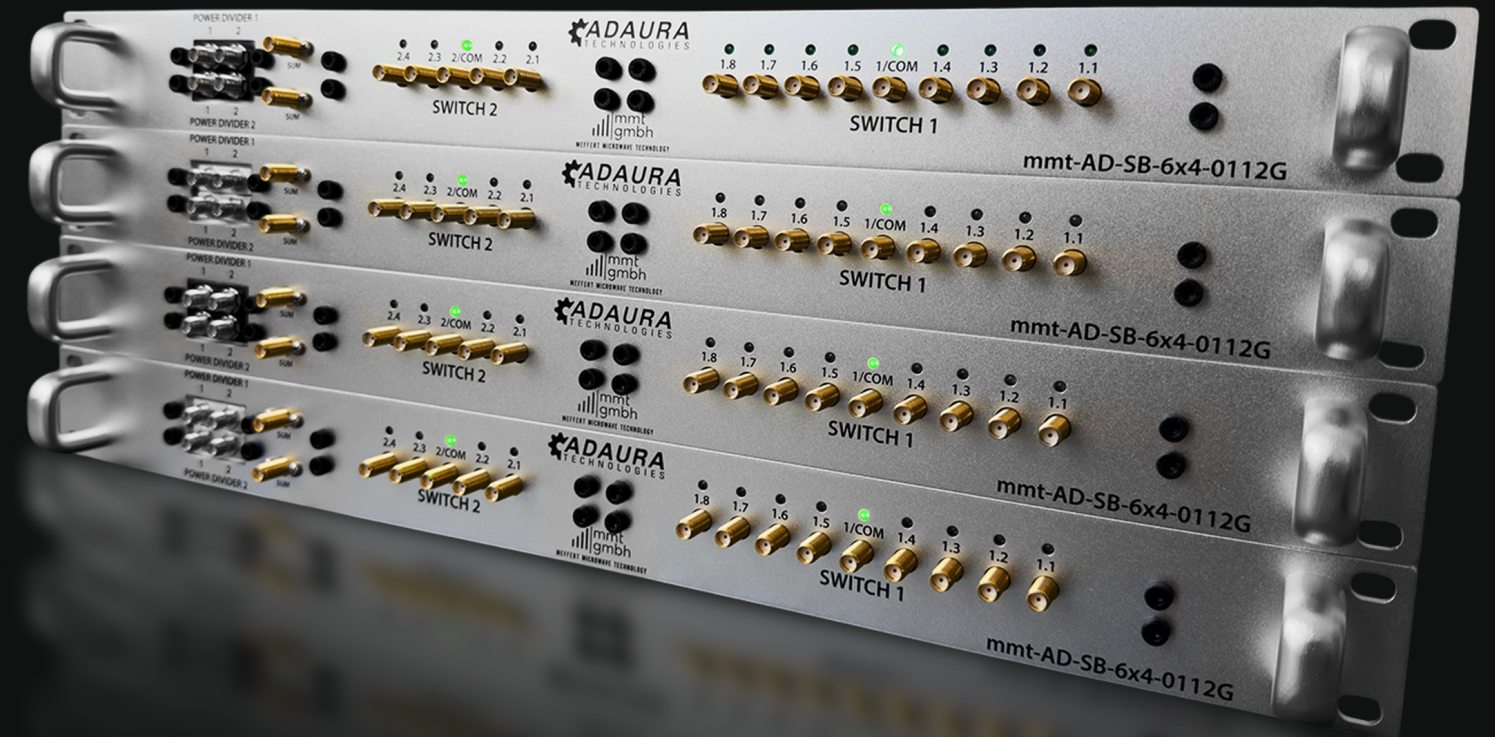


## Configurations

Model	Description	Frequency (MHz)	Isolation (Typ.) (dB)	Max Input Power (dBm)	Connectors	Control
AD-SB-1X2-0112G	SPDT, terminated	100 – 12000	68	18	SMA	USB/POE
AD-SB-1X4-0112G	SP4T, terminated	100 – 12000	65	18	SMA	USB/POE
AD-SB-1X8-0112G	SP8T, terminated	100 – 12000	60	18	SMA	USB/POE



## RF Switches

In modern automated testing, laboratory research, and telecommunications infrastructure, routing high-frequency signals quickly and cleanly is paramount. Traditional electromechanical switches are plagued by slow switching speeds and finite lifespans.

AdauraTech's line of **Programmable RF Switches** utilizes advanced solid-state technology to deliver ultra-fast, highly reliable, and intelligent signal routing. Designed for seamless integration into automated test equipment (ATE) and complex RF front-ends, these digital switches provide the speed and precision required to handle today's high-frequency applications.

**Flexible Multi-Port and Matrix Configurations:** From simple SPDT configurations to high-density SP4T, SP8T+ configurations and matrix topologies, AdauraTech's digital switches allow you to consolidate complex routing networks into a single, compact device.

**Effortless Digital Control and Automation:** Move past manual toggle switches or complex relay driver circuits. AdauraTech's programmable switches interface directly with test systems using standard USB and Ethernet/POE. With straightforward APIs and companion software, you can reconfigure entire signal paths instantly via software scripts (Python, LabVIEW, C++).

**High Isolation and Low Insertion Loss:** Engineered with advanced semiconductor architectures, these switches offer exceptional port-to-port isolation to prevent cross-talk and signal leakage, while maintaining minimal insertion loss to preserve the amplitude and power fidelity of your RF signals.