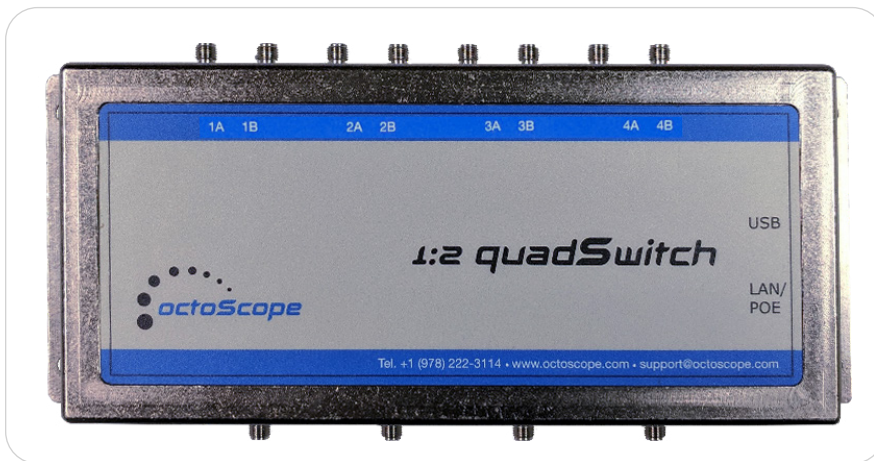


octoBox[®] 1:2 quadSwitch

Dual-pole single throw quad RF switch helps build multi-purpose wireless testbeds with no need for manually moving RF cables for different tests

The 1:2 quadSwitch quad single pole doublet throw (SPDT) RF switch module. Conveniently mountable to the side of the octoBox[®], the 1:2 quadSwitch module is used for automatically reconfiguring the octoBox wireless personal testbed for a variety of test configurations. This module is completely isolated from the outside interference and optimized for use in octoBox personal testbeds.



1:2 quadSwitch; model: OB-2WAY-SW

Applications

- Wi-Fi (802.11a/b/g/p/n/ac/ax), Bluetooth and cellular (LTE, LTE-Advanced, including LAA and MulteFire)
- octoBox personal testbeds automatic reconfiguration
- Test automation via REST API

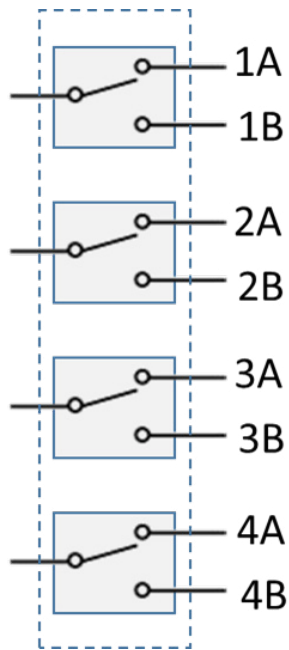
Specifications

- Frequency range: 500 MHz to 6 GHz Connectors: SMA
- Insertion loss: 4 dB typ. At 6 GHz 1 dB compression: 30 dBm
- IP3: 55 dBm
- Completely isolated from outside interference Powered and controllable via PoE

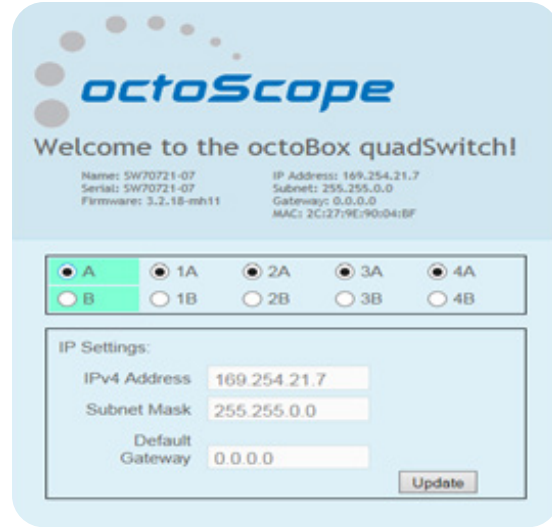
The 1:2 quadSwitch is powered and controlled via its Ethernet PoE port and comes with a browser UI (see below) and REST API. You can find the API specifications at the following link:

<https://octoscope.atlassian.net/wiki/spaces/PUB/overview>

Each of the 4 SPDT switches are individually controllable via radio button selection in the browser or in a script via the API. The browser controls are shown below.



Click the common (green shaded) A button to switch all 4 switches to the A ports.



Click individual switch controls to set the corresponding switches to A or B ports.



Click the common (green shaded) B button to switch all 4 switches to the B ports.

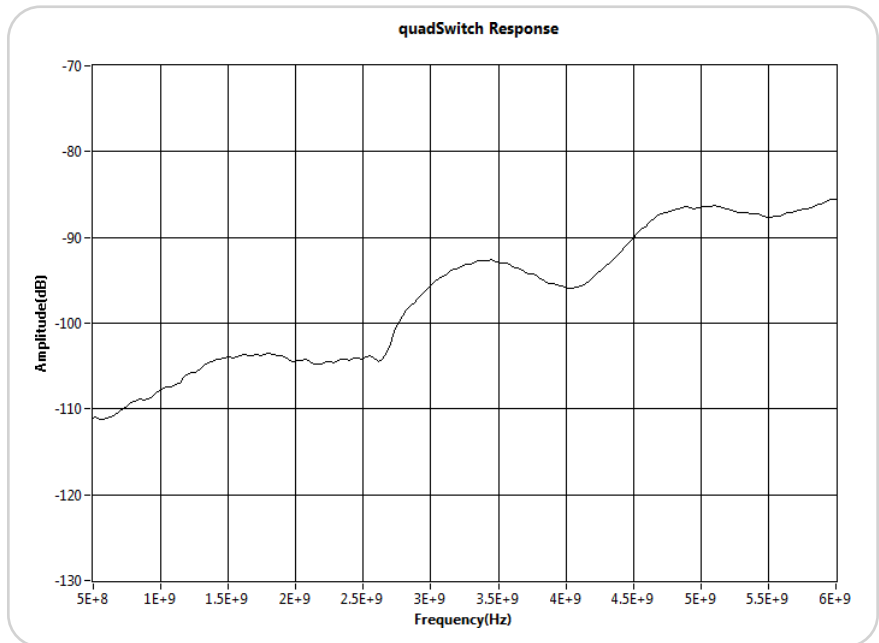
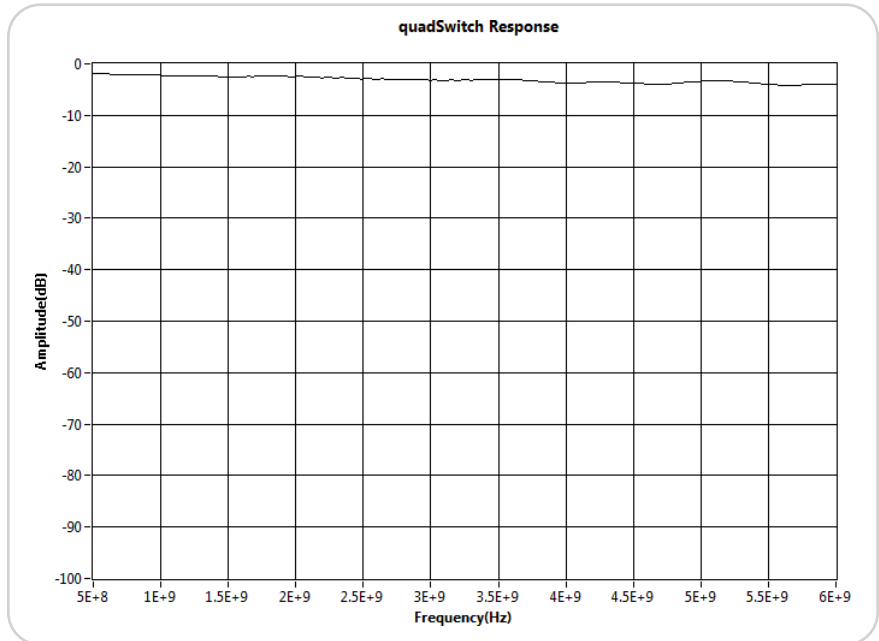


About octoScope

[octoScope, a Spirent Company](#), is the market leader in automated testbeds for accurate, repeatable testing of Wi-Fi and 5G network functions and devices. Our highly-realistic, automated test suites save service providers, and device and network vendors millions in troubleshooting and customer care costs by enabling them to identify problems early in the development cycle before customers are impacted. Our patented testbed technology recreates real-world conditions in controlled testing environments to evaluate the performance of the latest Wi-Fi 6 and 6E, and 5G network equipment and devices. The combination of our solutions with Spirent’s test portfolio enhances our automation and emulation capabilities, bringing even greater realism to our test suites and helping our customers innovate with unprecedented speed and efficiency.

Typical Response Curves

Representative performance plots of the quadSwitch insertion loss and isolation



About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks. We help bring clarity to increasingly complex technological and business challenges. Spirent’s customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled. For more information visit: www.spirent.com

sales@octoScope.com
www.octoscope.com
 +1-978-222-3114

octoScope
 305 Foster Street | Littleton, MA 01460
 +1-978-222-3114

octoScope
 780 Montague Expressway | San Jose, CA 95131
 +1-408-888-0478