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# Custom RF/Microwave Switch Matrices

## Your Way — Right Away!

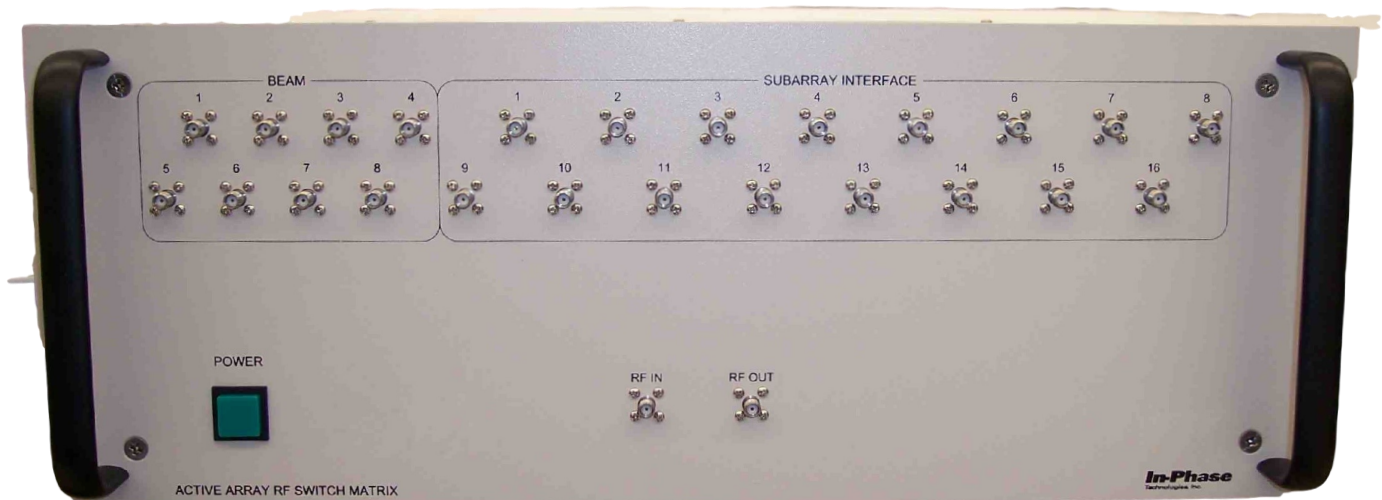
### What do you need?

#### Switch Topologies:

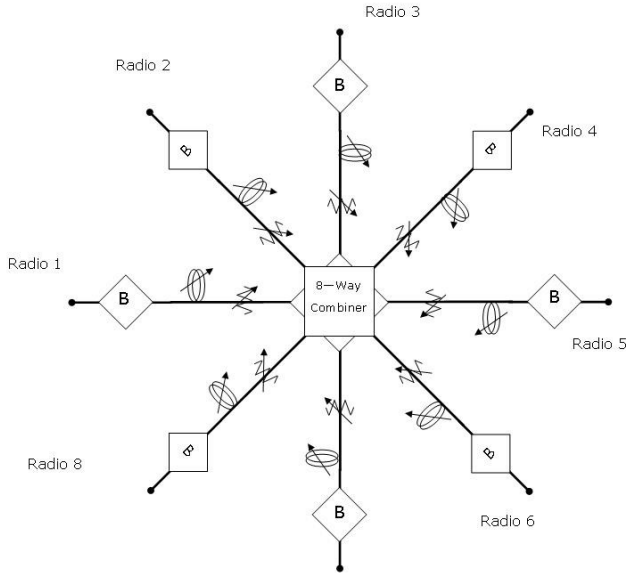
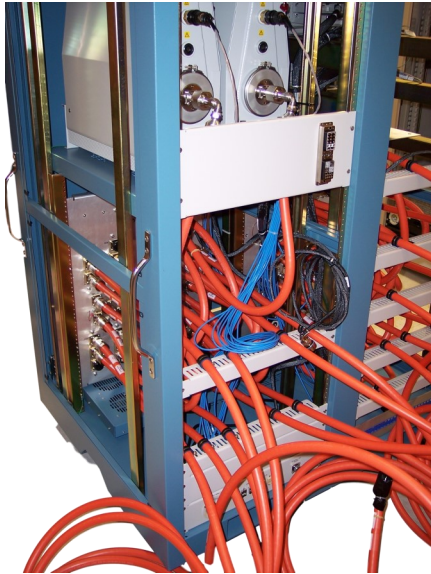
- 1 to Any
- 1 to All
- Any to Any
- Many to Many
- Your Topology

#### Matrix Characteristics:

- Frequency Range - DC up to Optical
- Custom Signal Conditioning
- Low Insertion Loss
- High Isolation
- Electro-Mechanical and Solid State
- Ethernet, USB or IEEE-488 control
- Custom Switch Command Mnemonics



Our existing designs cover a wide array of topologies, frequencies up to 70GHz. and power levels from milliwatts through kilowatts. Many signal conditioning options are also available including phase matching/shifting, amplification, signal dividing/combining, signal attenuation and more.



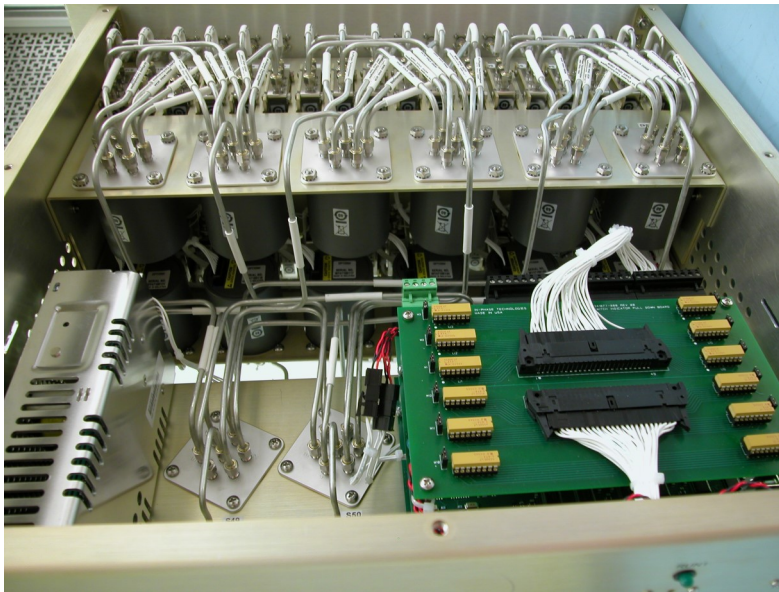
“Multiple radios may be connected to the network which allows for full duplex operation. Each radio may operate using a different or identical Air Interface.”

- GUI Features:**
- Individual Radio Grouping And Isolation Capability
  - Moving Target Scenario Generator
  - Scenario Stacking
  - Individual Radio Distance Control
  - Propagation Loss Replication
  - Gain Control
  - Band Selection

### Sample Custom Software GUI



We build our Switch Matrices for long life and high performance. Selecting the right components to exceed your requirements, we design a switch matrix with the best performance in the industry.



### **Designed for serviceability**

We use industry-leading CAD design techniques that assure minimized cable lengths, maximum isolation. Our designs are modular allowing for rapid assembly and matrix servicing

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