

In-Phase Technologies In-Phase Technologies is a leader in system integration of production-ready components for automated testing. Our Automated Test Equipment (ATE) are used exclusively by leading companies around the world for many applications.

Our technology expertise spans the testing of analog, digital, RF, microwave, and fiber optic sub-assembly or components. Our ATE systems are configured to the customer's specific measurement needs

Switch MATRIX

Configure Now



Global Provider of Test & Measurement Solutions



RF/Microwave Switch Matrices

In-Phase Technologies standard switch system designs cover a wide array of topologies, frequencies up to 70 GHz, 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.

Many variations of standard switch products are available along with custom modifications including software and remote control. 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.

Applications

- Radar and Radio Testing
- System Calibration
- Medical Device Testing
- Other

Switch Topologies

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

How Does It Work?

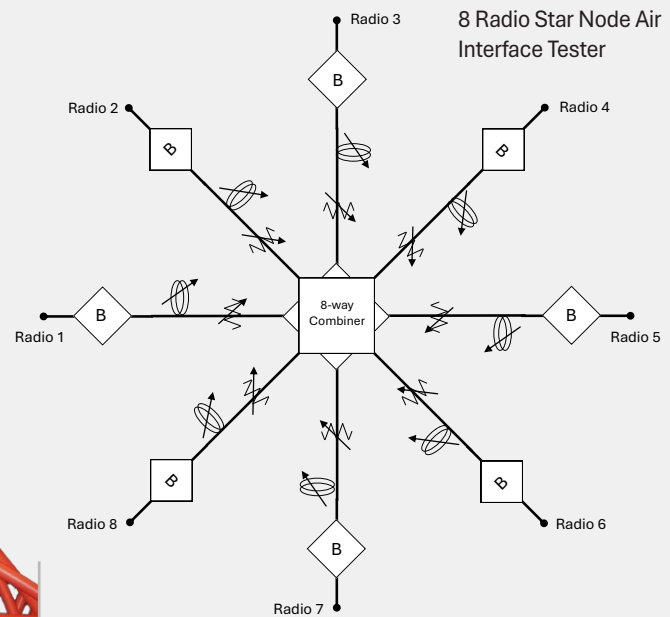
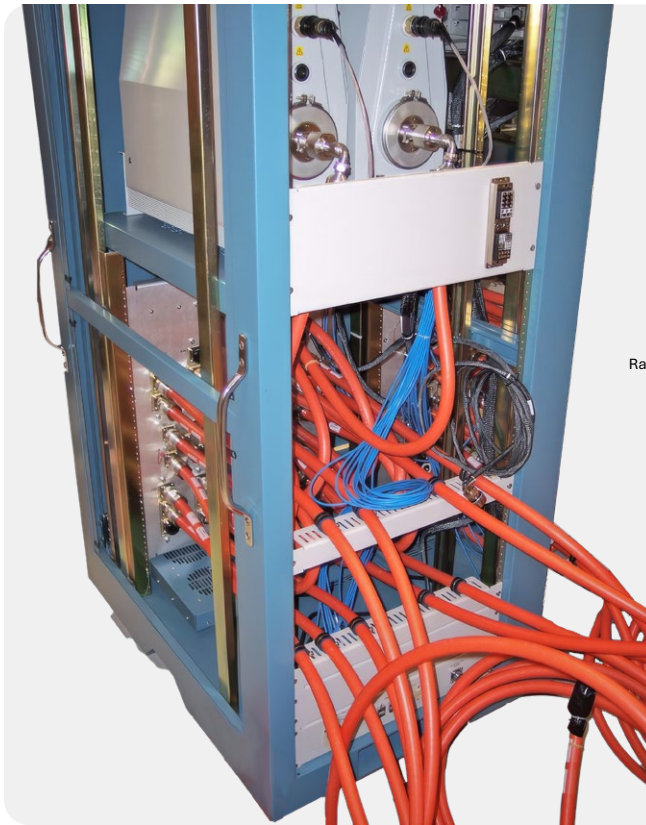
- Frequency Range - DC up to Optical
- Custom Signal Conditioning
- Low Insertion Loss
- High Isolation
- Electro-Mechanical and Solid State
- Ethernet, USB or IEEE-488 control
- Custom Switch Command Mnemonics

In-Phase RF/Microwave Switch Matrices

Technologies, Inc.



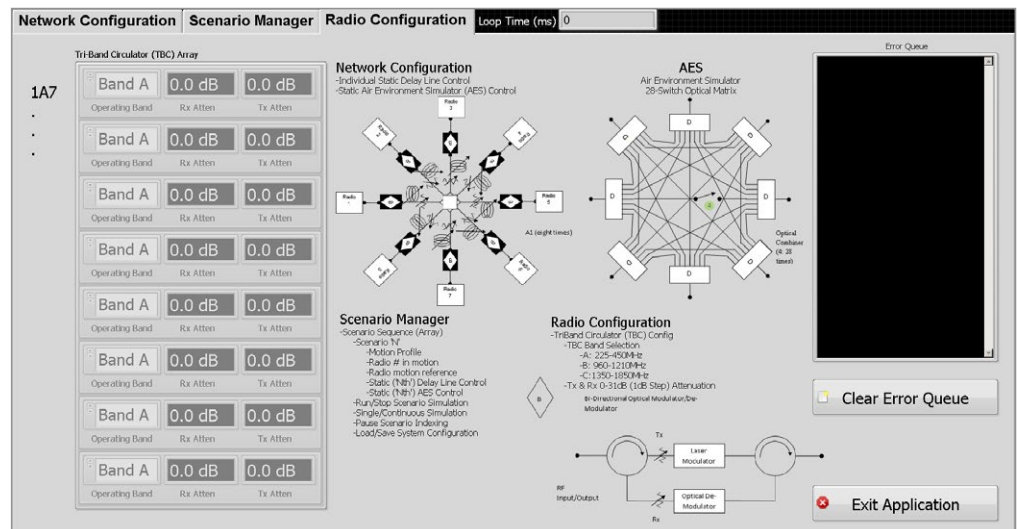
In-Phase Switch Matrix designs cover a wide array of topologies, frequencies up to 70GHz. and power levels from milliwatts through kilowatts. Many signal conditioning options are also available including phase matching/shifting, amplification, signal dividing/combining, signal attenuation and more.



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 SelectionX

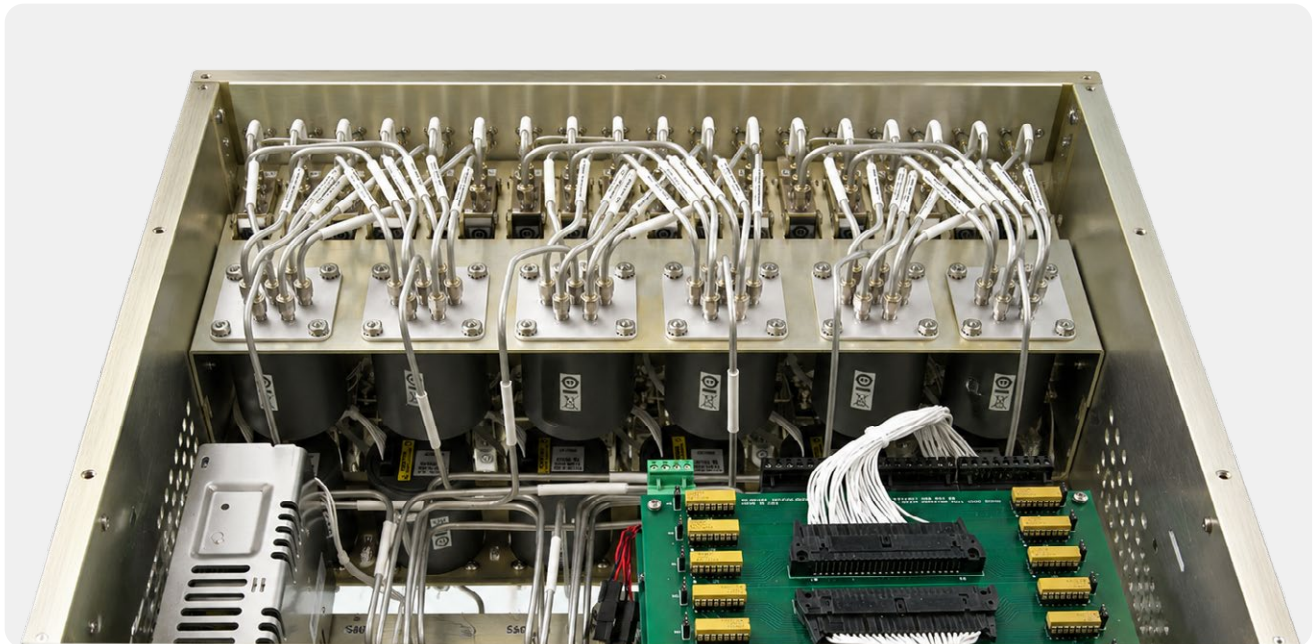


In-Phase RF/Microwave Switch Matrices

Technologies, Inc.



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.

Our Switch Matrices are also available in custom configurations to solve some of your most difficult problems. Need Phase or amplitude-matched outputs? Need custom commands? No problem, we supply your switch your way!





Switch Matrices Part Number Configurator

Custom Options: (1) Yes or (2) No

Remote Control: (1) None (2) USB (3) Ethernet (4) Digital (serial or parallel) (5) GPIB

Connector Type: (1) N (2) TNC (3) BNC (4) SMA (5) K (6) 2.5mm (7) fc/apc

Front Panel Control: (1) None (2) Rotary Switch (3) Touchscreen (4) Keypad (5) Toggle switches

Rack Mount: (1) Yes or (2) No

Hi-Rel: (1) Yes or (2) No

Switch Telemetry: (1) Yes or (2) No

Part Number

1	-	1	2	1	-	1	0	2	0	-	1	2	-	1	2	3	3	1
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Number of Outputs: XX

Number of Inputs: XX

Matrix Configuration: (1) Any input to any output (2) Any input to many outputs (3) One input to many outputs (4) One input to all outputs (5) Many inputs to many outputs

Frequency Range: (1) DC to 4 GHz (2) DC to 18 GHz (3) DC to 26 GHz (4) DC to 40 GHz (5) DC to 60 GHz (6) Optical 1550 nM (7) Optical 1310 nM

Switch Type: (1) Electro Mechanical (2) Solid State (3) High Power (4) Optical

Series: (1) Optical (2) RF Switch Matrices (3) Full Duplex

Custom configurations available to solve even the most complex requirements, contact us today.

