



Radio Switch 1P4T Tabletop



Radio Switch 1P64T

Features:

Radio Switch 1PNT is a RF switch system. Signals from the input to any output port can be controlled on the switches to turn to the specific path. Lab staff and testing engineers can interconnect the BTS ports to the testing handsets easily and flexibly through remote control without any hassle of reconfiguration or reconnection of the physical RF cables.

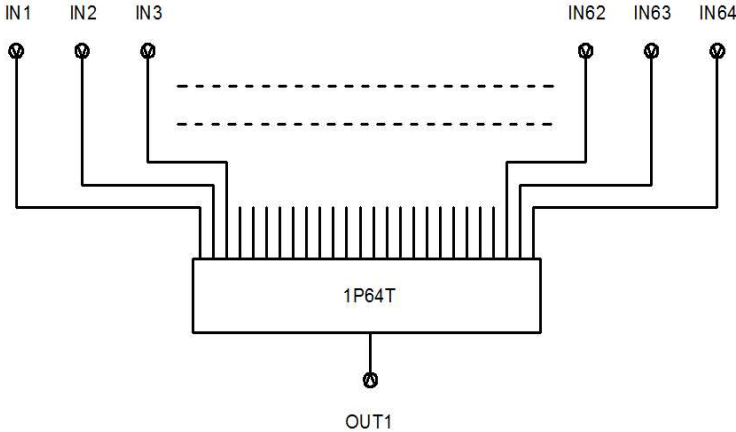
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Specification:

Specification	
Frequency Range	10MHz-6GHz / 5Ghz-45GHz
Impedance	50 Ω
Isolation	Max ≥ 70 dB
VSWR	≤ 1.3 @ all Ports
Insertion Loss	≤ 1.5dB @ 6GHz
Switching Speed	15ms typical
Input Power (Ave.)	+37 dBm
Life	2,000,000 cycles per position
Power Supply	100 - 240 V _{AC} 50 - 60 Hz
Control Interface	RS - 232 and RJ45
RF Input Connector	N (F)
Temperature Range	-20-55°C (-4-131 °F)

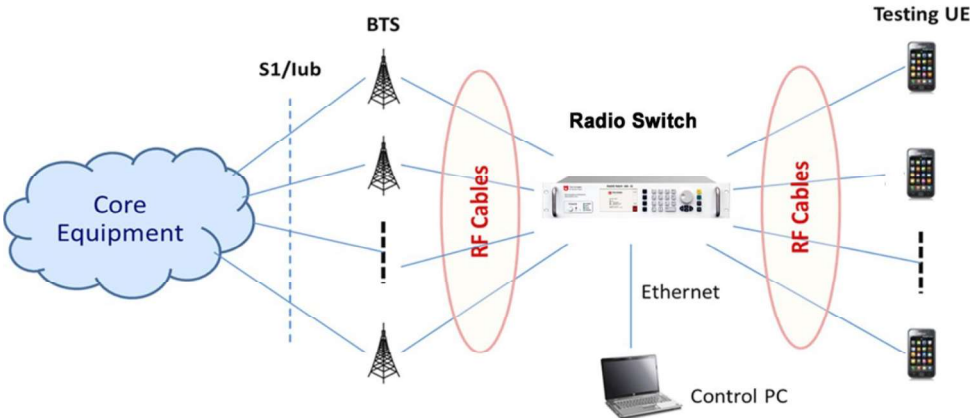
1PNT

System Diagram:



1PNT Series products				
Model	Dimension	Frequency	Insertion Loss	
8x2-8	210 x 76 x 190 mm	10MHz-6GHz / 5Ghz-45GHz	12.3dB @3G	17.2dB @6G
15x5-15	19" Rack , 2U	10MHz-6GHz / 5Ghz-45GHz	10.9dB @3G	17.3@6G
16x2-16	19" Rack , 2U	10MHz-6GHz / 5Ghz-45GHz	15.9dB @3G	22.6@6G
16x3-16	19" Rack , 2U	10MHz-6GHz / 5Ghz-45GHz	19.5dB @3G	26.6@6G
16x4-16	19" Rack , 1U	10MHz-6GHz / 5Ghz-45GHz	12.3dB @3G	17.2@6G
18x6-18	19" Rack , 2U	10MHz-6GHz / 5Ghz-45GHz	10.9dB @3G	17.3@6G
24x6-24	19" Rack , 2U	10MHz-6GHz / 5Ghz-45GHz	12.3dB @3G	17.2@6G

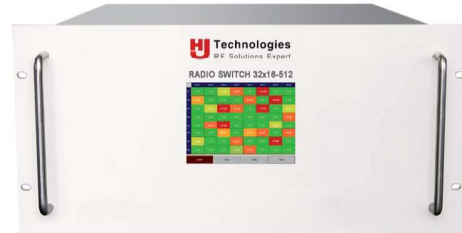
Application:



Matrix Systems



Radio Switch 4x16



Radio Switch 32x16-512

Features:

Matrix Radio Switch is a full routing matrix. Signals from any input to any output port can be independently controlled on the switches to turn on or off that specific path. Lab staff and testing engineers can interconnect the BTS ports to the testing handsets easily and flexibly through remote control without any hassle of reconfiguration or reconnection of the physical RF cables.

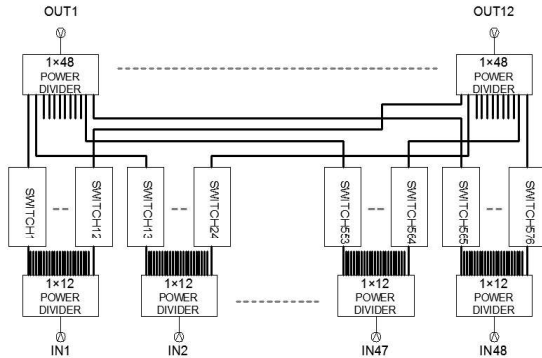
The instrument supports all the major wireless technologies including CDMA/EVDO/GSM/UMTS/HSPA/LTE/WiMAX.

Specification:

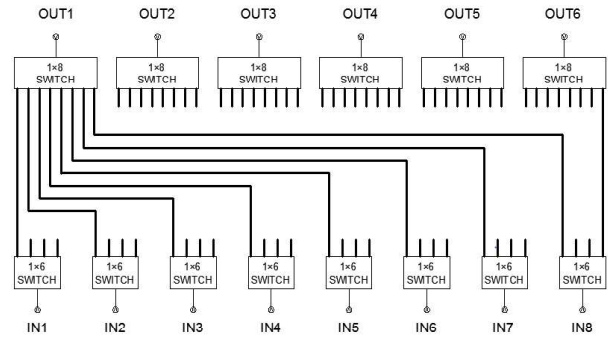
Specification	
Frequency Range	600 MHz - 6 GHz
Switch Channel Number	4x16-64
Impedance	50 Ω
Isolation	Max ≥ 95 dB
VSWR	≤ 1.4
Insertion Loss	≤ 17 dB
Switching Speed	5ms typical
Input Power (Ave.)	+33 dBm
Power Supply	100 - 240 V _{AC} 50 - 60 Hz
Control Interface	RS - 232 and RJ45
RF Input Connector	N (F)
Temperature Range	-20-55°C (-4-131 °F)

Matrix Systems

System Diagram:



Non-Blocking Radio Switch 48x12-576



Blocking Radio Switch 8x6-48

Matrix Series products

Model	Non-Blocking Insertion Loss		Blocking Insertion Loss	
	3G	6G	3G	6G
2x32-64	24.1dB @3G	27dB @6G	14dB @3G	20dB @6G
4x4-16	17dB @3G	17.8dB @6G	8dB @3G	14.5dB @6G
4x16-64	24.2dB @3G	27.2dB @6G	14dB @3G	20dB @6G
4x32-128	27.5dB @3G	30.4dB @6G	15.5dB @3G	22dB @6G
8x6-48	22.5dB @3G	26.8dB @6G	9.5dB @3G	16.5dB @6G
18x6-18	26.2dB @3G	29.8dB @6G	15.5dB @3G	22dB @6G
32x16-512	34.7dB @3G	39.8dB @6G	18.5dB @3G	26dB @6G
32x32-1024	38dB @3G	43dB @6G	20dB @3G	28dB @6G
48x12-576	34.9dB @3G	40.6dB @6G	21dB @3G	28dB @6G
64x32-2048	41.6dB @3G	47dB @6G	21.5dB @3G	30dB @6G
128x128-16384	52dB @3G	57.8dB @6G	26dB @3G	36dB @6G

Lab Environment Cloud Architecture

