

Model 216 Test Routing Matrix

The Model 216 Test Routing Matrix is intended for routing test equipment to and from radio frequency units under test. The 216 is a Non Blocking architecture, any input can be routed any one output; no input or output can be simultaneously shared with another route. Up to six independent routes can exist in the matrix at any one time (note1). All paths are bi-directional. The model 216 uses electro-mechanical switching for low insertion loss performance. All un-routed inputs and outputs do not terminate.

The unit's front panel display permits local users to view and change routings, as well as checking the health and status of the chassis. A local lockout command inhibits front panel access. All functions and status are also accessible through the remote interfaces. A simple ACSII literal based command set allows quick and easy remote control of the unit.

Electrical

Frequency Range	DC – 8 GHz
Insertion Loss	3.5 dB at 4 GHz 4.5 dB at 8 GHz
Path On/Off Isolation	70 dB
Maximum Operating Level	+40 dBm
Switching Speed	25 mS
Noise Figure	See Insertion Loss
Impedance	50 ohms
Return Loss / VSWR	-16 dB / 1.4:1
Primary Power	115/230VAC, 50/60Hz, 35 watts
Remote Interfaces	RS-574 (DTE) RS-485 (two wire) 10BaseT (RJ45)

Mechanical

Chassis Size	3U (5.25")H x 19"W x 20"D
RF Connectors	N type female

Environmental

Operating Temperature	0 to +50 C
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Configuration Information

216-X-Y

where **X** is the number of inputs (6 max.)
and **Y** is the number of outputs (6 max.)

note1, the maximum number of simultaneous routes is equal to the smaller number of inputs or outputs.

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