

# Example System Datasheet 4x32 MIMO Single Connection

## Description

This matrix system consists of two 4x32 switching systems in a 4U standard 19" chassis. This switching system has an operating frequency range of 2-4GHz (S-Band). The output ports are internally terminated to 50Ω, controlled via USB and feature 7-segment displays which let the user know which output is currently active. There is also a local control keypad that allows users to manually command the switching system.

This matrix consist of (6) SP4T switches and (10) SP6T switches.

- Local control Via Keypad
- USB Remote Control
- Internal 50Ω termination
- SMA Connectors
- 90-260 Vac, 47-63Hz Power

Switch Function	RF Characteristics	
Normally Open	<b>Frequency Range</b>	2-4GHz (S-Band)
<b>Switching Type</b>	<b>Insertion Loss</b>	0.7dB Typical (0.8dB max)
Electromechanical	<b>VSWR</b>	1.15:1 (max)
<b>Temperature</b>	<b>Isolation</b>	60dB (min)
Storage: -40°C to +65°C Operating: -55°C to +85°C	<b>Mechanical Information</b>	
	<b>Power Handling</b>	1W Continuous
	<b>Line Power</b>	Universal 90-260 VAC, 47-63Hz
	<b>Size (WxHxD)</b>	19" Wide, 4U High, 20" Depth
	<b>Typical Cycle Life</b>	1M cycles per RF port

### MATRIX SCHEMATIC

**REAR VIEW**

**FRONT VIEW**