Minimize downtime to keep your critical systems running and your customers happy. The RSS (Redundancy Switching System) is a customizable physical layer switching system that will provide you with reliable switchover of communication circuits for line protection and equipment redundancy applications.

With the RSS Series, you can rely on communications even when power is removed or control connections are down. This system is comprised of an array of components that can be mixed and matched to meet your specific needs.

We offer a variety of control options to facilitate designs of reliable redundancy solutions. Each control card can be installed in either the RSS-16 or RSS-3 to provide either individual or gang control.

Top Features:

Multiple Control Options

IPC-16: Individual Control Card with IP and Serial Interfaces
IPC-1: Gang Control Card with IP Interface
IOC-16: Individual Control Card with GPIO (Contact Closure) Interface
IOC-3: Gang and 3x Individual Control Card with GPIO Interface

A/B Switch Cards

AB-D9-R - 9 Pin D'Subminiature
AB-D15-R - 15 Pin D'Subminiature
AB-D25-R - 25 Pin D'Subminiature
AB-2RJ8-R - Dual 8 Wire Miniature Jack (10/100/1000)
AB-2BNC-R - Dual BNC/DS-3 AB Card
AB-T50-R - 50 Pin Telco (Amphenol, RJ21X)
AB-M34-R - V.35 with M34 Winchester Connectors

Power Supply Options

PS-RSS-WRI | AC Power Module - 100-240 VAC
PS-RSS-48 | 48VDC Power Module - 48 VDC
PS-WRI-4 | External AC Power - 100-240 VAC
**Additional Features**

**Power Connectors**
Power Connectors for External 24VDC Redundant Supply. Includes Redundant Control Card Option

**Switching Options**

*Automatic Protection Switches*: Serial Fallback Switches, Computer Telephony Redundancy, IP Controlled Switching, High Availability Networks & Fail-Soft Operation

*Remote Controlled A/B Switches*: Hot Standby Configurations, Redundant Circuit Switching, Web Browser Controlled, SNMP Managed & Layer 1 Protection Switches

**Component Configurations**

*RSS-16*: 16 A/B Card Slots, 2 Control Card Slots & 2 Power Supply Slots

*RSS-3*: 3 A/B Card Slots, 1 Control Card Slot & 1 Power Supply Slot

**LED Indicators**

2 LED indicators for switch position. Manual Override Switch and Latching Relays. Switch maintains position in power or control failure

**Specifications**

*Subject to Change Without Notice*

**System Environment:**

*Temperature*: Operating 0 to 65 Deg. C | Storage -10 to 85 Deg. C

*Relative Humidity*: 0 to 95% Non-Condensing

**Power Supplies:**

*PS-RSS-WRI*: Nominal - 120/240 VAC 50/60 Hz | Range: 100 - 240 VAC

*Capacity*: 50 Watts | *Fusing*: 2 A

*PS-RSS-48*: Nominal - 48 VDC | Range: 42 - 60 VDC

*Capacity*: 75 Watts | *Fusing*: 2.5 A

*PS-WRI-4*: Nominal - 120/240 VAC 50/60 Hz | Range: 100 - 240 VAC

*Capacity*: 50 Watts | *Fusing*: 2 A

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### A/B Switch Cards

<table>
<thead>
<tr>
<th>Physical</th>
<th>Width: One A/B Slot in RSS-3 or RSS-16</th>
<th>Height: 7&quot;</th>
<th>Depth: 6'</th>
<th>Weight: 5 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional features</td>
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<td></td>
<td>2 LED indicators for switch position</td>
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<tr>
<td></td>
<td>Manual Override Switch</td>
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<td></td>
<td>Latching Relays. Switch maintains position in power or control failure</td>
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</table>

<table>
<thead>
<tr>
<th>RSS-16/2 4U 20 Slot Card Nest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong>: 13” W x 7.00” H x 7” D</td>
</tr>
<tr>
<td><strong>Weight</strong>: 11.5 lbs (w/o cards)</td>
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<tr>
<td><strong>Capacity</strong>: A/B Switch Card Slots: 16 Control Card Slots: 2 Power Supply Slots: 2</td>
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<thead>
<tr>
<th>RSS-3 1U 5 Slot Card Nest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong>: 13” W x 1.75” H x 7” D</td>
</tr>
<tr>
<td><strong>Weight</strong>: 5.5 lbs (w/o cards)</td>
</tr>
<tr>
<td><strong>Capacity</strong>: A/B Switch Card Slots: 3 Control Card Slots: 1 Power Supply Slots: 1</td>
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</tbody>
</table>

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**For More Information**

www.dataprobe.com/rss-series/

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**Email**: sales@dataprobe.com

**Website**: dataprobe.com

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