



SR-1600/S & SR-1600/R 4-Slot Equipment Chassis Installation Instructions



Product Description

The SR-1600/S & SR-1600/R series chassis are standard EIA 483 mm (19") L x 45 mm (1-3/4") H x 322 mm (12.7") D (1RU) chassis frames that house Meridian's standard *DigiSlim* & *DigiFlex* fiber optic transmission rack-mount cards. Up to 4 single-slot or 2 dual-slot cards can be accommodated in either of these chassis. The signal cards are all hot-swappable. Therefore the cards can be inserted or removed without removing power to the chassis.

Reversible mounting ears allows the cards to be mounted and accessed from either the front or rear of the cabinet.

The SR-1600/S chassis has a single internal power supply while the SR-1600/R chassis incorporates redundant power supplies. For improved thermal management, this chassis incorporates small fans located on each of the side walls of the chassis to provide efficient flow-through ventilation.

N+1 power redundancy – The SR-1600/R chassis with redundant power supplies operates in a power-sharing mode so that both supplies are continuously operating and evenly share the load. If one supply were to lose power, the redundant supply is able to pick up the load without any interruption of service. Because a reliable power supply is a crucial part of business survival, this type of structure is ideal for any operation where a power failure just cannot be tolerated. Meridian's utilization of N+1 power is the most efficient and cost effective way to achieve the high level of reliability required in today's business environment.

The table below identifies the chassis part numbers with the appropriate description

SR-1600 Chassis Options			
Part Number	Description	# Power Supplies	# Module Slots
SR-1600/S	19", 1RU Chassis	1	4 single / 2 dual
SR-1600/R	19", 1RU Chassis	2	4 single / 2 dual

Power supply specifications (single or dual)

Voltage: 110/220VAC, 50/60Hz
 Connector: Standard IEC male, panel mount
 Power: 100W, max
 Indicators: Front panel mounted green indicator lights

Installation

The SR-1600 series chassis may be installed in a standard 19" EIA rack or cabinet or left on a tabletop. Note that the SR-1600 chassis has side-mounted ventilation fans. It is important to leave adequate space (min 2") adjacent to the sides of the chassis to permit proper air flow in and out of the chassis.

Standard power cables are connected to the power supplies

Power supply indicator lights are mounted on the front panel opposite the power supply connector and power switches.

Troubleshooting

Below is a listing of several problems that may arise during the installation & operation of the modules. If you are having difficulty installing or operating the modules please refer to this list below.

- Problem:** *Chassis does not mount properly with all screws onto rack side rails*
Action: The mounting screw pattern on the equipment rack is not uniform and has specific locations for a standard 19" chassis. Make sure that the holes are lined up correctly so that both holes on each side mounting bracket can be secured to the rack's side rails.
- Problem:** *Power supply indicator lights on chassis are not lit*
Action: Check to ensure that the power cord is securely plugged into the power supply, that the power supply on/off switch is in the ON position and that the power cord is plugged into a live outlet.
- Problem:** *Power indicator lights on individual cards are not lit*
Action: Ensure that the power supplies are functioning properly and that the power supply indicator lights are ON Green.
Check to see that the cards are plugged into the chassis completely and that the front panels are screwed down to the chassis with the front panel mounted thumb screws.

If the problem still persists after reviewing the above items, please contact Meridian technical support (516-285-1000).

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