

DAQ Board Accessories Rack-Mount Kit

This guide describes how to assemble the rack-mount hardware for the AMUX-64T analog multiplexer board and the SC-205X, SC-206X, SC-207X, and BNG208X Series signal conditioning boards in a standard 19-in. rack-mount cabinet.

Introduction

There are four versions of the rack-mount kit—single- and double-height kits with an acrylic plastic cover, and single- and double-height kits with a metal wraparound cover. The metal wraparound cover kits are ideal for high-voltage applications. However, we do not recommend the metal wraparound cover kits for use with the BNC-208X Series boards.

What You Need to Get Started

You will need the following parts from your DAQ board accessories rack-mount kit, depending on the version you have:

Plexiglas cover kit

Item	Component	Quantity
$2 \\ 4$	Cover, rack-mount, Plexiglas Washer, flat, #4, nylon	1 4

Metal wraparound cover kit

Item	Component	Quantity
2	Cover, rack-mount, metal wraparound	1
4	Washer, flat, #4, SS	4

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Double-height kits

Item	Component	Quantity
5	Support bracket, AMUX, type 2	2
6	Screw, 6-32 x 1/4, FLHD, PHIL, SS	4

You will also need the following items from your kit, regardless of which version you have. All of the DAQ board accessories rack-mount kits have the following items:

Item	Component	Quantity
1	Bracket, rack-mount, 5.25 in., type DA	1
3	Screw, 4-40 x 1/4, PHN, SS	4
7	Foot, rubber adhesive	4
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In addition, you will need:

- 1-point Phillips-head screwdriver for assembling the rack-mount kit
- flathead screwdriver for installing the kit into a cabinet



circuit card assemblies.

Mounting Space

The following table shows how much space each accessory requires in a single-height rack-mount kit. Three SC-205X (except for the SC-2054) or SC-206X boards fit into one rack-mount kit. You can mix SC Series accessories in one rack-mount kit. For example, you can use one SC-2051 with two SC-206X units, or one SC-2051 with one SC-207X.

Accessory	Width Required
AMUX-64T SC-2050, SC-2051, SC-2052, SC-2053 SC-2054 SC-206X Series SC-207X Series	Two-thirds One-third One-half One-third One-half
BNC-208X Series	One-half

Installation Procedure

Refer to the preceding figure and perform the following steps:

- 1. Attach the rubber adhesive feet (item 7) onto the bottom of the rack-mount bracket (item 1).
- 2. If you are building a double-height kit, install the support brackets (item 5) using the 6-32 x 1/4 screws (item 6).
- 3. Install the circuit card assemblies. You purchase the assemblies separately. Mounting screws and hardware are supplied with the assemblies.
- 4. Install the cover (item 2) using the 4-40 x 1/4 screws (item 3) and the #4 flat washer (item 4).
- 5. Place the completed rack-mount kit into a standard 19-in. rack-mount cabinet and secure the assembly.