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SLC 500 SYSTEMS

SELECTION GUIDE





BULLETIN 1746 AND 1747

ALLEN-BRADLEY • ROCKWELL SOFTWARE

Rockwell Automation

Step 4 - Select:

- *chassis with sufficient slots*
- *(consider possible expansion)*
- *card slot fillers for open slots*
- *interconnect cables*

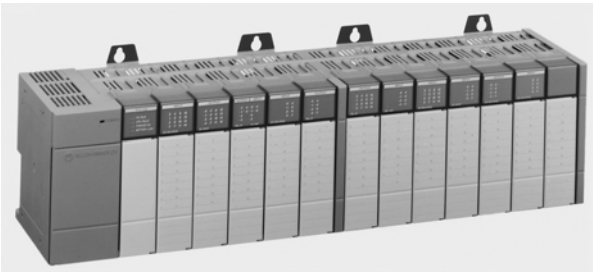
Select an SLC 500 Chassis



4-Slot Chassis



7-Slot Chassis



13-Slot Chassis

SLC modular chassis provide flexibility in system configuration. Four chassis sizes are available to suit your application needs. Choose from 4-slot, 7-slot, 10-slot, and 13- slot chassis based on your modular hardware component requirements. The SLC 1746 modular chassis houses the processor or I/O adapter module and the I/O modules.

Each chassis requires its own power supply, which mounts on the left side of the chassis. A maximum of 3 chassis can be connected with chassis interconnect cables (not included). If an interconnect cable is required, select a chassis interconnect cable from the following table.

Chassis and Cable Descriptions

Catalog Number	Description
1746-A4	4-Slot Chassis
1746-A7	7-Slot Chassis
1746-A10	10-Slot Chassis
1746-A13	Chassis Interconnect Cable – ribbon cable used when linking modular style chassis up to 152.4 mm (6 in.) apart in an enclosure.
1746-C9	Chassis Interconnect Cable – used when linking modular style chassis from 152.4 mm (6 in.) up to 914.4 mm (36 in.) apart in an enclosure.
1746-C16	Chassis Interconnect Cable – used when linking modular style chassis from 0.914 m (36 in.) up to 1.27 m (50 in.) apart in an enclosure.

1746-N2 Card Slot Filler

Use the 1746-N2 card slot filler to protect unused slots in the chassis from dust and debris.

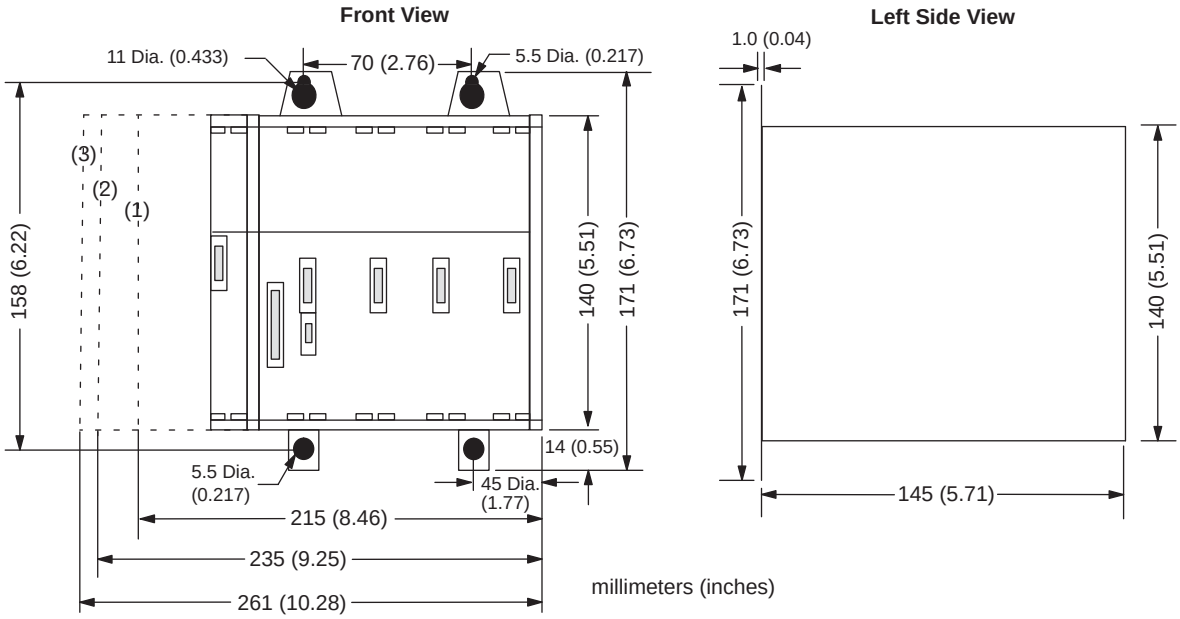
Chassis Dimensions

The figures below provide mounting dimensions for each of the modular chassis and the available power supply options.

IMPORTANT In addition to dimensions, there are important spacing, heat, and grounding requirements which must be considered when mounting an SLC chassis.

Refer to the SLC 500 Modular Chassis Installation Instructions, publication number 1746-IN016 for more information.

4-Slot Modular Chassis



(1) Dimensions for 1746-P1 Power Supply
(2) Dimensions for 1746-P2, -P3, -P5, -P6 and -P7 Power Supplies.
(3) Dimensions for 1746-P4 Power Supply.