

Step 4 - Select:

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

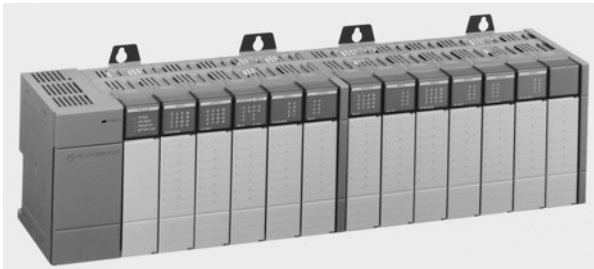
Select an SLC 500 Chassis



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.

Communication Cables

Catalog Number	Description
1761-CBLAS09	RJ45 to 6-Pin Phoenix Connector Communication Cable - This 9.5 m (31.2 ft) cable is used to connect the SLC 5/01, SLC 5/02, and SLC 5/03 processor RJ45 port to port 3 of the 1761-NET-AIC.
1747-CP3	SLC 5/03, 5/04, and 5/05 RS-232 Programmer Cable - This 3 m (10 ft) cable has two 9-pin DTE connectors and is used to connect the SLC processor RS-232 channel (channel 0) to a personal computer serial port.
1747-C11	Processor to Isolated Link Coupler Replacement Cable – This 304.8 mm (12 in) cable is used to connect the SLC 500 processor to the Isolated Link Coupler (1747-AIC).
1747-C13	Specialty Module to Isolated Link Coupler Cable - Use a 1747-C13 cable to connect a BASIC or KE module to an Isolated Link Coupler (1747-AIC). Also connects 1747-UIC RS-485 port to AIC or SLC RJ45 port.

Cable Connectivity Summary

For Connectivity Between These Devices		Preferred Cable Catalog Number	These Cables May Be Used
1746-A4, -A7, -A10, or -A13 Chassis	1746-A4, -A7, -A10, or -A13 Chassis	1746-C7 1746-C9 1746-C16	–
1747-DTAM-E Data Table Access Module	SLC 500 Processors (DH-485 Channel)	1747-C10	1747-C11 1747-C20
1746-AIC Isolated Link Coupler	SLC 500 Processors (DH-485 Channel)	1747-C11	1747-C10 1747-C13 1747-C20
1747-UIC USB to DH-485 Interface Converter 1747-KE DH-485/RS-232C Interface Module 1746-BAS BASIC Module	1747-AIC Isolated Link Coupler (J2 Port) SLC 500 Processors (DH-485 Channel)	1747-C13	1747-C10 1747-C11
1746-xx32 32-channel I/O Modules	1492-IFM40x	1492-CABLExH	–
SLC 5/03 Processor (RS-232 Channel 0) SLC 5/04 Processor (RS-232 Channel 0) SLC 5/05 Processor (RS-232 Channel 0)	Personal Computer Serial Port (9-Pin DTE)	1747-CP3	–
1746-I/O	1492-IFMxx Interface Modules	1492-CABLExx	–
1747-SN Remote I/O Scanner 1747-DCM Direct Communication Module 1747-ASB SLC Remote I/O Adapter Module	Remote I/O Network	Belden 9463	–
SLC 5/04 Processors (1747-L541, -542, -543)	Data Highway Plus	Belden 9463	–
1747-AIC Isolated Link Coupler 1761-NET-AIC Communication Interface 1784-PKT(X(D)) Communication Interface Card	1747-AIC Isolated Link Coupler	Belden 9842 Belden 3106A	–
1747-DPS1 and 1747-DPS2 Port Splitter	Rockwell Automation controllers, PanelView, PanelView Plus, VersaView, InView and Personal Computers	Uses available 1747, 1756, 1761, 2706 and 2711 cables.	Refer to Installation Instructions for the port splitter (1747-IN516).