

1746-A7

7-Slot Chassis

Allen-Bradley 1746-A7 is a seven-slot SLC 500 modular chassis that provides the mechanical mounting and backplane connection for the processor or communication adapter, power supply and installed SLC modules.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
Complete model	1746-A7
Product role	7-Slot Chassis
System family	SLC 500

MANUFACTURER SOURCE RECORDS

- 1. Rockwell Automation 1746 Chassis Installation Instructions, publication 1746-IN016C-MU-P
- 2. Rockwell Automation product lifecycle record for 1746-A7

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Product Overview

System function

Allen-Bradley 1746-A7 is a seven-slot SLC 500 modular chassis that provides the mechanical mounting and backplane connection for the processor or communication adapter, power supply and installed SLC modules.

Seven-slot backplane

Accepts a seven-position SLC modular hardware arrangement.

Modular system support

Hosts the documented processor or communication adapter, power supply and SLC modules.

Four-tab mounting

Uses four chassis mounting tabs for a controlled panel installation.

Backplane distribution

Distributes the documented 5.1 V DC and 24 V DC backplane capacity to installed modules.

Technical note

Match the complete 1746-A7 chassis identity, mount it with all four chassis tabs and verify every installed module, power supply and backplane connection before commissioning.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Catalog number	1746-A7	Backplane current at 24 V DC	2.88 A maximum
Product family	SLC 500	Operating temperature	0 to 60 degrees C
Hardware style	Modular chassis	Storage temperature	-40 to 85 degrees C
Module slots	7	Relative humidity	5 to 95 percent, noncondensing
Mounting	Panel mount	Lifecycle status	Discontinued March 31, 2024
Mounting tabs	4	Planned replacement	No Rockwell Automation replacement listed
Backplane current at 5.1 V DC	10 A maximum		

Engineering boundary

Match the complete 1746-A7 chassis identity, mount it with all four chassis tabs and verify every installed module, power supply and backplane connection before commissioning.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
SLC 500 control cabinet	Provides the base for a seven-slot modular SLC 500 station.
Installed-base chassis renewal	Supports controlled replacement when the exact slot and power arrangement is retained.
Remote I/O station	Hosts an approved communication adapter and compatible I/O modules.
Maintenance rebuild	Provides a documented backplane and mechanical reference for restoring a legacy station.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Allen-Bradley 1746-A7?	1746-A7 is a seven-slot modular chassis for the SLC 500 system.
How many slots does Allen-Bradley 1746-A7 provide?	It provides seven module slots.

Related Products

MODEL	APTER POWER PAGE
Allen-Bradley 1746-OB16	View Allen-Bradley 1746-OB16
Allen-Bradley 1746-OBP16	View Allen-Bradley 1746-OBP16
Allen-Bradley 1746-OW16	View Allen-Bradley 1746-OW16
Allen-Bradley 1747-L552	View Allen-Bradley 1747-L552

FAQ, Related Products and Sources

QUESTION	ANSWER
How is Allen-Bradley 1746-A7 mounted?	It is a panel-mounted chassis with four mounting tabs.
Which hardware is installed in Allen-Bradley 1746-A7?	The chassis supports the documented processor or communication adapter, power supply and compatible SLC modules.
What 5.1 V DC backplane capacity is listed for Allen-Bradley 1746-A7?	The installation instruction lists 10 A maximum at 5.1 V DC.
What 24 V DC backplane capacity is listed for Allen-Bradley 1746-A7?	The installation instruction lists 2.88 A maximum at 24 V DC.
Can Allen-Bradley 1746-A7 modules be moved without recording slot positions?	No. Record every module and slot before removal so the controlled hardware configuration can be restored.
What confirms Allen-Bradley 1746-A7 commissioning?	The mounting, slot arrangement, power supply, backplane current, processor, communications and I/O checks must match the approved record.

MODEL	APTER POWER PAGE
Allen-Bradley 1747-SN	View Allen-Bradley 1747-SN
Allen-Bradley 1756-DHRIO	View Allen-Bradley 1756-DHRIO
Allen-Bradley 1756-IV32	View Allen-Bradley 1756-IV32
Allen-Bradley 1756-OA16	View Allen-Bradley 1756-OA16

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