

Siemens 505-6208

Complete Product Information

Siemens 505-6208 is the legacy double-wide, eight-channel SIMATIC 505 analog output module with simultaneous voltage and current output paths.

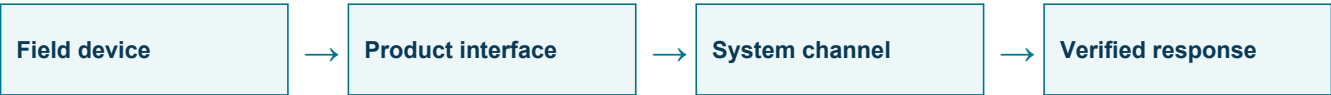
PRODUCT ROLE AND VERIFIED FEATURES

Feature 1 Provides eight analog output channels.	Feature 2 Supports simultaneous 0 to 10 V and 0 to 20 mA output paths.
Feature 3 Uses the earlier double-wide module format.	Feature 4 Can be replaced by a single-wide 505-6208A or 505-6208B without field-wiring changes.

VERIFIED DATA SNAPSHOT

Signal role	Analog output
Output channels	8
Output ranges	0 to 10 V and 0 to 20 mA simultaneous
Module generation	Legacy predecessor to 505-6208A and 505-6208B

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
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Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Signal role	Analog output
Output channels	8
Output ranges	0 to 10 V and 0 to 20 mA simultaneous
Module generation	Legacy predecessor to 505-6208A and 505-6208B
Module format	Double-wide
User supply	24 V DC required
Base power	5.0 W
Replacement wiring	Later single-wide versions can replace it without field-wiring changes

SELECTION ANCHORS

- Provides eight analog output channels.
- Supports simultaneous 0 to 10 V and 0 to 20 mA output paths.
- Uses the earlier double-wide module format.
- Can be replaced by a single-wide 505-6208A or 505-6208B without field-wiring changes.

IMPORTANT NOTICE

Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

MANUFACTURER SOURCE CONTROLS

Manufacturer source	SIMATIC 505 Analog I/O Modules User Manual, order number 505-8120-3
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

What should be preserved before removing Siemens 505-6208?	Preserve channel scaling, safe-state commands, wiring, shields and user-supply polarity.
How is Siemens 505-6208 output accuracy checked after installation?	Command controlled points across the range and compare voltage or current with a calibrated instrument and the receiving device response.

System role and architecture



APPLICATION POINTS

Control-valve command Drive compatible current-input positioners from controller output words.	Speed or setpoint reference Provide voltage or current references to compatible receiving equipment.
Legacy rack support Maintain the earlier double-wide analog output position.	Migration planning Prepare a controlled transition to a wiring-compatible 505-6208A or 505-6208B.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The 8-channel analog output module belongs to the SIMATIC 505 modular control platform. Selection must preserve the documented signal role, terminal arrangement and rack interface.

ENGINEERING REVIEW QUESTIONS

How many outputs are provided by Siemens 505-6208?	The module provides eight analog output channels.
Which signal ranges are associated with Siemens 505-6208?	The family operation provides simultaneous 0 to 10 V and 0 to 20 mA output paths.
Which rack format is used by Siemens 505-6208?	The legacy execution is double-wide.
Does Siemens 505-6208 require user power?	Yes. The legacy module requires a 24 V DC user supply.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Confirm the installed module is the legacy 505-6208 execution.
- 02 Reserve the full double-wide rack position.
- 03 Record voltage, current, common, shield and user-supply connections.
- 04 Preserve output scaling and the commanded safe state for every channel.
- 05 Isolate actuators and receiving devices before opening an analog loop.
- 06 Verify the 24 V DC user supply and polarity before energizing.
- 07 Test each voltage or current output against a calibrated receiving instrument.
- 08 Confirm the controlled device moves safely through the required command range.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE

Treat Siemens 505-6208 as one complete execution and verify every field connection before the controlled system returns to service.

APPLICATION BOUNDARIES

Control-valve command	Drive compatible current-input positioners from controller output words.
Speed or setpoint reference	Provide voltage or current references to compatible receiving equipment.
Legacy rack support	Maintain the earlier double-wide analog output position.
Migration planning	Prepare a controlled transition to a wiring-compatible 505-6208A or 505-6208B.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

How many outputs are provided by Siemens 505-6208?	The module provides eight analog output channels.
Which signal ranges are associated with Siemens 505-6208?	The family operation provides simultaneous 0 to 10 V and 0 to 20 mA output paths.
Which rack format is used by Siemens 505-6208?	The legacy execution is double-wide.
Does Siemens 505-6208 require user power?	Yes. The legacy module requires a 24 V DC user supply.
What base-power demand is listed for Siemens 505-6208?	The SIMATIC 505 system manual lists 5.0 W.
Can Siemens 505-6208 be replaced by a 505-6208A or 505-6208B without rewiring?	The manual identifies the later single-wide versions as wiring-compatible replacements; configuration and functional checks are still required.

RELATED MODELS ON APTERPOWER

Siemens 6DP1230-8CC	Related product reference. Review the complete ordering string before selection.
Siemens 6ES7431-7KF10-0AB0	Related product reference. Compare the required interface and system position.
Siemens RD63F200	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

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Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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