SIEMENS PRODUCT REFERENCE

6ES7211-1AE40-0XB0

Siemens SIMATIC S7-1200 CPU 1211C DC/DC/DC

Compact SIMATIC S7-1200 CPU 1211C with 6 digital inputs, 4 transistor outputs, 2 analog inputs and a 24 V DC supply.

Configuration at a glance

ONBOARD I/O **6 DI | 4 DO | 2 AI**	POWER / OUTPUT **DC / DC / DC**
WORK MEMORY **75 KB**	LIFECYCLE **Active Product**

Technical data for the exact article

SPECIFICATION	VERIFIED ARTICLE DATA
Article number	6ES7211-1AE40-0XB0
CPU designation	CPU 1211C DC/DC/DC
Digital inputs	6 x 24 V DC
Digital outputs	4 x 24 V DC transistor
Analog inputs	2 x 0-10 V DC
Supply range	20.4-28.8 V DC
Work memory	75 KB
Firmware shown by Siemens	V4.7
Engineering software	STEP 7 V20 or higher
Typical power loss	8 W
Approximate net weight	0.292 kg
Current Siemens lifecycle	Active Product

Application guidance

Compact machine control

Integrates CPU, discrete I/O and two voltage analog inputs in a small controller.

Fast transistor switching

Suitable for verified 24 V DC output loads where transistor behavior is required.

Sensor-based skids

The onboard I/O can support compact packages after current and channel requirements are checked.

S7-1200 modernization

A current V4.7-class CPU for projects engineered in STEP 7 V20 or later.

Engineering verification notes

DC/DC/DC meaning

The CPU supply, digital inputs and transistor digital outputs are based on 24 V DC circuits.

Successor planning

The current Siemens page marks this product Active and also directs users to the S7-1200 G2 successor family for future projects.

Questions engineers commonly ask

How should the DC/DC/DC designation of 6ES7211-1AE40-0XB0 be interpreted?

It identifies a 24 V DC-powered CPU with 24 V DC inputs and 24 V DC transistor outputs. It is not the relay-output version.

How many onboard channels are available on this CPU 1211C?

Siemens lists 6 digital inputs, 4 transistor digital outputs and 2 analog voltage inputs on the compact CPU.

Which analog signal range is built into the 1211C DC/DC/DC?

The two onboard analog inputs are specified for 0-10 V DC. Current-loop transmitters require an appropriate engineering solution rather than direct assumption.

What supply window must be maintained for 6ES7211-1AE40-0XB0?

The official range is 20.4 to 28.8 V DC. Include load, inrush, wiring drop and expansion requirements in the power calculation.

DOCUMENT STATUS	Prepared by Moore Automation from the Siemens product records identified as Siemens SiePortal product page, Siemens official technical data. This independent reference is not a Siemens-issued manual and does not replace the current manufacturer documentation for installation, wiring, safety or certification.

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Before ordering, match the complete article number, hardware version, firmware, electrical design, wiring and application.