

SIMATIC S7-200 SMART

Product Data Sheet

6ES7288-1ST20-0AA1

CPU ST20 DC/DC/DC

MEMORY	NETWORK	TEMPERATURE	WEIGHT
20 KB	ETHERNET + RS485	-20 to 60 C	0.320 kg

Siemens 6ES7288-1ST20-0AA1 is a SIMATIC S7-200 SMART CPU ST20 for compact automation. It combines a 24 V DC supply, twelve digital inputs, eight transistor outputs and integrated Ethernet and RS485 communication.

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VERIFIED TECHNICAL DATA

Product type	SIMATIC S7-200 SMART CPU ST20
Power supply	20.4 to 28.8 V DC
Onboard digital inputs	12 points, rated 24 V DC
Onboard digital outputs	8 transistor outputs, 24 V DC
Integrated memory	20 KB program/data memory
Engineering package	STEP 7 Micro/WIN SMART
Industrial Ethernet	RJ45 interface, 10/100 Mbit/s
Serial interface	Integrated RS485
Dimensions / weight	90 x 100 x 81 mm / 0.320 kg
Origin / commodity code	Germany / 85371091

Technical values are limited to the exact Siemens product record and applicable official manual.

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PRODUCT IDENTITY AND FUNCTION

The CPU ST20 is a DC/DC/DC controller engineered with STEP 7 Micro/WIN SMART. Its transistor outputs provide electronic switching for compact machines and documented high-speed pulse or motion functions.

A stable 24 V DC supply is required. Output polarity, load current, suppression, grounding, firmware and network settings must be verified before replacement or commissioning.

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OFFICIAL APPLICATIONS

- Indexing mechanisms using transistor pulse outputs
- Compact labeling and print-and-apply machines
- Packaging equipment with sensor-based sequences
- Cut-to-length machinery using high-speed counting
- Conveyor modules with Ethernet status monitoring

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SYSTEM COMPATIBILITY

Siemens identifies this CPU as part of the SIMATIC S7-200 SMART family. Use supported S7-200 SMART signal modules and the applicable signal board, observing CPU firmware, expansion limits and power demand.

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OFFICIAL SOURCES

[Siemens technical data sheet for 6ES7288-1ST20-0AA1](#)

[SIMATIC S7-200 SMART System Manual, V2.8](#)

AMIKON PRODUCT SUPPORT

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