AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7510-1DJ01-0AB0

SIMATIC ET 200SP | CPU 1510SP-1 PN controller

PROGRAM	DATA	NETWORK	SUPPLY
100 KB	**750 KB**	**PROFINET**	**24 V DC**

Siemens 6ES7510-1DJ01-0AB0 is the SIMATIC ET 200SP CPU 1510SP-1 PN, combining local program execution with PROFINET communication. It provides 100 KB of program work memory and 750 KB of data work memory for configured machine control and distributed automation tasks.

01 VERIFIED TECHNICAL DATA

Program work memory	100 KB
Data work memory	750 KB
Nominal supply voltage	24 V DC; permitted 19.2-28.8 V
Bit operation time	72 ns typical
PROFINET port arrangement	3 ports: 1 integrated RJ45 and 2 via a required BusAdapter
Controller operating roles	PROFINET IO controller, I-device or standalone CPU
PROFINET device capacity	Up to 64 IO devices, including up to 64 IRT devices
Central I/O expansion	Up to 64 ET 200SP modules and 16 ET 200AL modules; configuration limits apply

Technical basis: A5E03506268-AD, 05/2021. Exact-model values are distinguished from applicable series instructions. Verify the current product and installed revision before engineering.

02 OPERATING & INTEGRATION LIMITS

Load-memory medium	SIMATIC Memory Card required; supported capacity up to 32 GB
Typical power loss	5.6 W
Available backplane power	8.75 W maximum
Horizontal operating temperature	-25 to +60 C; condensation not permitted
Programming languages	LAD, FBD, STL, SCL and GRAPH
Closed-loop control functions	PID_Compact, PID_3Step and PID_Temp instruction support

03 PRODUCT SELECTION CHECKS

- Match the complete CPU article number and installed firmware
- Select the BusAdapter for network ports 1 and 2
- Check SIMATIC Memory Card and engineering compatibility
- Verify local I/O configuration and backplane power budget

04 OFFICIAL DOCUMENTATION

A5E03506268-AD - 05/2021

Current official product information

This is an independent product reference, not a certificate for an individual unit. Gross shipping weight is not inferred from net product mass.