AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7517-3AP00-0AB0

CPU 1517-3 PN/DP Controller



CPU	PROGRAM	DATA	PROFIBUS
1517-3 PN/DP	**2 MB**	**8 MB**	**DP master**

Siemens 6ES7517-3AP00-0AB0 is the CPU 1517-3 PN/DP, combining two PROFINET interfaces and one PROFIBUS interface. It provides 2 MB of program memory and 8 MB of data memory, with a SIMATIC Memory Card required for load memory.

01 VERIFIED TECHNICAL INFORMATION

Program work memory	2 MB
Data work memory	8 MB
Supply voltage	24 V DC nominal; 19.2 to 28.8 V DC permitted
Rated current consumption	1.55 A
Typical power loss	24 W
Typical bit-operation time	2 ns
Load memory	SIMATIC Memory Card required; up to 32 GB

Manufacturer evidence: CPU 1517-3 PN/DP (6ES7517-3AP00-0AB0) Equipment Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

X1 interface	Two-port PROFINET with RT and IRT
X2 interface	Single-port PROFINET with RT
X3 interface	PROFIBUS DP master; cannot operate as DP slave
Local rack capacity	32 modules maximum: CPU plus 31 modules
X1 IO-device capacity	512 maximum; up to 64 IRT devices, subject to configuration
Diagnostic-buffer capacity	3200 entries; 1000 power-failure-proof in the 11/2023 specification
Operating temperature	0 to 60 degrees C horizontal; 0 to 40 degrees C vertical; separate display limits apply
Safety-function suitability	Not suitable for safety functions

03 SOURCE AND CONFIGURATION CHECKS

The first Ethernet interface supports IRT and RT, while the second supports RT communication. The integrated PROFIBUS connection operates as a DP master rather than a slave, making the three interfaces distinct resources that must be matched to the installed network architecture.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

Siemens 12/2014; S1 source pp. 3,37-42,46-47,51-56,59-61

AMIKON PRODUCT SUPPORT

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