AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7515-2AN03-0AB0

CPU 1515-2 PN Controller

CPU	PROGRAM	DATA	NETWORKS
1515-2 PN	**1 MB**	**4.5 MB**	**X1 / X2**

Siemens 6ES7515-2AN03-0AB0 is the CPU 1515-2 PN with 1 MB of program memory and 4.5 MB of data memory. Its first PROFINET interface supports RT and IRT, while a separate single-port interface supports RT communication.

01 VERIFIED TECHNICAL INFORMATION

Program work memory	1 MB
Data work memory	4.5 MB
Supply voltage	24 V DC nominal; 19.2 to 28.8 V DC permitted
Rated current consumption	0.65 A; 1.03 A maximum in the 01/2026 specification
Typical power loss	3.6 W in the 01/2026 specification
Typical bit-operation time	6 ns
Load memory	SIMATIC Memory Card required; up to 32 GB

Manufacturer evidence: CPU 1515-2 PN (6ES7515-2AN03-0AB0) Equipment Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

X1 interface	Two ports; PROFINET RT/IRT, IO controller and IO device
X2 interface	One port; PROFINET RT, IO controller and IO device; no IRT
X1 IO-device capacity	256 maximum; up to 64 with IRT, subject to configuration
X2 IO-device capacity	32 maximum, subject to configuration
Local rack capacity	32 modules maximum: CPU plus 31 modules
Display diagonal	6.1 cm
OPC UA licensing	Medium runtime license required for supported OPC UA functions
Safety-function suitability	Not suitable for safety functions

03 SOURCE AND CONFIGURATION CHECKS

The controller combines modular S7-1500 expansion with a local display, diagnostics and a required SIMATIC Memory Card. Both interfaces support PROFINET I/O roles on this order code, but their device limits and timing capabilities differ. Check the installed firmware and engineering environment before replacement.

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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