AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7517-3HP00-0AB0

Redundant CPU 1517H-3 PN



PROGRAM	DATA	PLATFORM	H-SYNC
2 MB	**8 MB**	**S7-1500H**	**Two interfaces**

Siemens 6ES7517-3HP00-0AB0 is the CPU 1517H-3 PN for S7-1500H redundant control. Its architecture uses two synchronized CPUs, with one acting as primary and the other as backup, and dedicated fiber-optic connections carrying the information needed for coordinated operation.

01 VERIFIED TECHNICAL INFORMATION

Ethernet transmission rate	100 Mbps
Supply voltage	24 V DC nominal; 19.2-28.8 V DC permitted
Rated current consumption	1.5 A; maximum 1.9 A
Power loss	24 W typical
Program work memory	2 MB integrated
Data work memory	8 MB integrated
Load memory	SIMATIC Memory Card required; up to 32 GB

Manufacturer evidence: CPU 1517H-3 PN (6ES7517-3HP00-0AB0); exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Bit operation time	4 ns typical
Floating-point operation time	24 ns typical
I/O address area	32 KB input and 32 KB output
PROFINET interfaces	2; X1 has 2 ports, X2 has 1 port
Synchronization interfaces	X3 and X4 for plug-in fiber-optic synchronization modules
Maximum connected PROFINET I/O devices	256; update time depends on network and configuration
Operating temperature	Horizontal 0-60°C; vertical 0-40°C; display limits 50°C/40°C
Safety-function suitability	Not a fail-safe CPU; PROFIsafe not supported

03 SOURCE AND CONFIGURATION CHECKS

The CPU provides separate program and data work memories, two PROFINET interfaces and two H-Sync interfaces. A SIMATIC Memory Card is required. Network functions, engineering compatibility and available expansion depend on the installed firmware, so the complete system configuration matters when selecting a 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

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM