AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7155-5AA00-0AC0

ET 200MP PROFINET Interface

SUPPLY	BACKPLANE	STATION I/O	SHARING
24 V DC	**14 W infeed**	**512 B per direction**	**4 controllers**

The Siemens 6ES7155-5AA00-0AC0 is the IM 155-5 PN HF interface for ET 200MP electronic modules. It supports up to twelve I/O modules without an additional system power supply, or thirty with the documented supplementary power arrangement.

01 VERIFIED TECHNICAL INFORMATION

Interface designation	IM 155-5 PN HF
Rated supply	24 V DC; permissible 19.2-28.8 V DC
Maximum input current	1.2 A
Backplane infeed power	14 W
Typical power loss	4.5 W
Station capacity	12 I/O modules without additional PS; 30 with additional PS
Permissible power segments	3

Manufacturer evidence: Siemens 6ES7155-5AA00-0AC0 equipment/interface manual; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Address space per module	256 bytes for each input/output direction
Address space per station	512 bytes for each input/output direction
Physical network connection	Two RJ45 ports with integrated switch
Shared device	Maximum 4 IO controllers
System redundancy	PROFINET S2 supported; R1 not supported
Media redundancy	MRP and MRPD supported
Isochronous timing	Shortest clock pulse 250 microseconds; maximum cycle 4 ms
Active-backplane operation	Supported from firmware V4.4; required for documented hot swapping

03 SOURCE AND CONFIGURATION CHECKS

This High Feature interface combines a two-port RJ45 switch with shared-device, isochronous and redundancy functions. Operation with an active backplane is supported from firmware V4.4, enabling the documented hot-swapping arrangement rather than making every conventional station suitable for live module exchange.

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 Data sheet 6ES7155-5AA00-0AC0; 2023-07-10; companion manual, source pp. 1-3

Siemens 11/2024; AB source pp. 1-2,13

AMIKON PRODUCT SUPPORT

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