AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7155-5AA01-0AB0

ET 200MP Standard Interface



SUPPLY	BACKPLANE	STATION I/O	SHARING
24 V DC	**14 W infeed**	**512 B per direction**	**2 controllers**

The Siemens 6ES7155-5AA01-0AB0 is an IM 155-5 PN Standard interface for ET 200MP. Its integrated two-port Ethernet switch links the distributed station to PROFINET IO, with module expansion depending on the documented system power-supply arrangement.

01 VERIFIED TECHNICAL INFORMATION

Interface designation	IM 155-5 PN ST
Supply range	24 V DC nominal; 20.4-28.8 V DC permissible
Voltage-failure buffering	10 ms
Maximum current consumption	1.2 A
Backplane infeed power	14 W
Typical power loss	4.5 W
I/O module allowance	12 without additional PS; 30 with additional PS

Manufacturer evidence: Siemens 6ES7155-5AA01-0AB0 equipment/interface manual; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Power segments	Maximum 3
Per-module address allowance	256 bytes per input/output direction
Per-station address allowance	512 bytes per input/output direction
Network ports	2 RJ45 ports, integrated switch, 100 Mbit/s full duplex
Shared-device controllers	Maximum 2
Media redundancy	MRP supported; MRPD not supported
System redundancy	S2 and R1 not supported
Isochronous clock	250 microseconds minimum; 4 ms maximum cycle

03 SOURCE AND CONFIGURATION CHECKS

The interface supports shared device, MRP and isochronous operation, but the cited datasheet explicitly excludes S2, R1 and MRPD. These distinctions separate its Standard feature set from High Feature variants and are important when retaining an existing controller and network configuration.

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 6ES7155-5AA01-0AB0; 2019-08-19; companion manual, source pp. 1-4

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM