

SIMATIC S7-1500H

Product Data Sheet

6ES7960-1CB00-0AA5

Optical synchronization module

MINIMUM STEP 7 TIA PORTAL VERSION	TYPICAL POWER LOSS	OPTICAL CONNECTOR	OPTICAL WAVELENGTH
V15.1	0.77 W	LC	850 nm

Siemens 6ES7960-1CB00-0AA5 is an optical synchronization module for compatible SIMATIC S7-1500H redundant controllers. It connects the controller synchronization interfaces through supported fiber-optic patch cables.

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VERIFIED TECHNICAL DATA

Minimum STEP 7 TIA Portal version	V15.1
Typical power loss	0.77 W
Optical connector	LC
Optical wavelength	850 nm
Fiber-dependent optical range	1 to 200 m
Horizontal operating temperature	0 to +60 deg C
Vertical operating temperature	0 to +40 deg C
Storage and transport temperature	-40 to +70 deg C
Supported multimode fibers	50/125 microm or 62.5/125 microm
Synchronization modules per CPU	2

ADDITIONAL PRODUCT DATA

Synchronization cable arrangement	Crossed duplex fiber
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DOCUMENTED USE SETTINGS

Industrial Manufacturing and Production Processing: Manufacturing Process Automation.

Food Production and Beverage Processing: Food Processing and Packaging.

Chemical Production and Petrochemical Processing: Industrial Chemical Production.

SYSTEM COMPATIBILITY

6ES7960-1CB00-0AA5 belongs to the SIMATIC S7-1500H family and provides the documented optical synchronization module function. Its minimum step 7 tia portal version is V15.1; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens 6ES7960-1CB00-0AA5 data sheet, 24 March 2025; S7-1500H system manual V20, synchronization and fiber selection sections

AMIKON PRODUCT SUPPORT

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