

SIMATIC S7-400 CP441-1

Product Data Sheet

6ES7441-1AA03-0AE0

Serial Point To Point Processor

SERIAL INTERFACE CAPACITY 1 selectable channel	MAXIMUM 5 V BACKPLANE CURRENT 700 mA without interface module	TTY INTERFACE SUPPLY CURRENT 300 mA at 5 V and 45 mA at 24 V	RS422/485 INTERFACE SUPPLY CURRENT 300 mA at 5 V DC
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Siemens 6ES7441-1AA03-0AE0 is a serial point to point processor in the SIMATIC S7-400 CP441-1 range. It is used for serial point-to-point communication in compatible S7-400 stations in compatible industrial automation projects.

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VERIFIED TECHNICAL DATA

Serial interface capacity	1 selectable channel
Maximum 5 V backplane current	700 mA without interface module
TTY interface supply current	300 mA at 5 V and 45 mA at 24 V
RS422/485 interface supply current	300 mA at 5 V DC
RS232C interface supply current	300 mA at 5 V DC
Parameter memory requirement	1 to 5 KB per interface
Message text memory	0 to 55 KB per interface
Maximum RS232 cable	10 m, shielded
Maximum RS422/485 cable	1200 m, shielded
Maximum TTY cable	1000 m, shielded

ADDITIONAL PRODUCT DATA

RS232/RS422 transmission	38.4 kbit/s maximum
TTY transmission	19.2 kbit/s maximum
Integrated protocol drivers	3964(R), ASCII and printer
Total communication connections	8
Engineering software	STEP 7, CP parameter-assignment forms

DOCUMENTED USE SETTINGS

Industrial Assembly and Component Production: Industrial Assembly and Production.

Water Supply and Municipal Wastewater Treatment: Municipal Water Supply Control.

Chemical and Petrochemical Production Processes: Chemical Manufacturing Process Control.

SYSTEM COMPATIBILITY

Integrate 6ES7441-1AA03-0AE0 only in the documented SIMATIC S7-400 CP441-1 configuration. Match the installed interfaces and the engineered application before selecting this serial point to point processor.

PRODUCT EVIDENCE

Siemens 6ES7441-1AA03-0AE0 product technical data; pages 1, 2

AMIKON PRODUCT SUPPORT

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