

SIMATIC S7-400 CPU 410-5H

Product Data Sheet

6ES7410-5HX08-0AB0

Process Automation Central Processing Unit

PROCESSOR CLOCK	HARDWARE INTERFACES	TYPICAL 5 V BACKPLANE CURRENT	MAXIMUM DP 24 V SUPPLY CURRENT
450 MHz	2 PROFINET, 1 PROFIBUS DP, 2 synchronization	2 A; 2.4 A maximum	150 mA

Siemens 6ES7410-5HX08-0AB0 is a CPU 410-5H central processing unit for SIMATIC S7-400 process automation. It is supplied as a replacement CPU without a System Expansion Card for compatible PCS 7 configurations.

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VERIFIED TECHNICAL DATA

Processor clock	450 MHz
Hardware interfaces	2 PROFINET, 1 PROFIBUS DP, 2 synchronization
Typical 5 V backplane current	2 A; 2.4 A maximum
Maximum DP 24 V supply current	150 mA
Power loss	10 W
Maximum work memory	32 MB, depending on System Expansion Card
Integrated load RAM	48 MB
Bit/word/integer execution time	7.5 ns
Floating-point execution time	15 ns
Maximum data blocks	16000

ADDITIONAL PRODUCT DATA

Maximum function blocks	8000
Maximum functions	8000
Cyclic interrupt tasks	9; 10 ms to 5 s
Operating temperature	0 to +70 deg C
Conformal-coating environment	ISA-S71.04 G1, G2 and G3

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Process Production: Industrial Chemical Production Processes.

Oil Refining and Gas Processing: Petroleum Refining Process Operations.

Electricity Generation and Energy Production: Thermal Power Generation Processes.

SYSTEM COMPATIBILITY

Integrate 6ES7410-5HX08-0AB0 as the documented process automation central processing unit in its compatible SIMATIC S7-400 CPU 410-5H configuration. Match the complete product label, connection arrangement and installed hardware revision before making changes.

PRODUCT EVIDENCE

SIMATIC S7-400 CPU 410-5H Process Automation Central Processing Unit; applicable manufacturer document pages 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

AMIKON PRODUCT SUPPORT

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