

SIMATIC ET 200S

Product Data Sheet

6ES7151-7AA20-0AB0

IM151-7 CPU interface module

SUPPLY VOLTAGE 24 V DC; 20.4 to 28.8 V	MAXIMUM SUPPLY CURRENT 250 mA; 280 mA with DP master module	MAXIMUM BACKPLANE SUPPLY CURRENT 700 mA at 5 V DC	TYPICAL POWER LOSS 3.3 W
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Siemens 6ES7151-7AA20-0AB0 is the IM151-7 CPU for SIMATIC ET 200S distributed automation. It executes an S7 user program locally and exchanges data through its integrated PROFIBUS DP slave interface.

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VERIFIED TECHNICAL DATA

Supply voltage	24 V DC; 20.4 to 28.8 V
Maximum supply current	250 mA; 280 mA with DP master module
Maximum backplane supply current	700 mA at 5 V DC
Typical power loss	3.3 W
Work memory	96 KB
Maximum MMC load memory	8 MB
Typical bit-operation time	0.1 micros
Typical word-operation time	0.2 micros
Typical fixed-point arithmetic time	2 micros
Typical floating-point arithmetic time	3 micros

ADDITIONAL PRODUCT DATA

Maximum program blocks	1024 total DB/FC/FB
Maximum data-block size	16 KB
S7 counters	256
S7 timers	256
Maximum electronic modules	63

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

6ES7151-7AA20-0AB0 belongs to the SIMATIC ET 200S family and provides the documented im151-7 cpu interface module function. Its supply voltage is 24 V DC; 20.4 to 28.8 V; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200S manufacturer documentation; applicable pages 1, 2, 3, 4, 5, 6, 7, 8, 9

AMIKON PRODUCT SUPPORT

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