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Data sheet 6ES7677-1DD10-0BA0

SIMATIC S7-MODULAR EMBEDDED CONTROLLER, EC31, 1 GB RAM, 4 GB FLASH DISK WITH PREINSTALLED SW: WINDOWS EMBEDDED STANDARD; SDK INTERFACES: 1. IF: 2X PROFINET, 2. IF: 1X FAST ETHERNET, 3. IF: 2 X USB, MMC SLOT, DOCUMENTATION ON DVD, RESTORE CD/DVD



Figure similar

General information	
Product type designation	SIMATIC S7-mEC, EC31
Hardware product version	01
Firmware version	V2.0

PC configuration	
Computer platform	SIMATIC S7 modular embedded controller
Processor	Intel Core Duo 1.2 GHz
Main memory	1 GB RAM
Flash Disk	4 GB
Operating systems	Windows Embedded Standard 2009

Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Mains buffering	
• Mains/voltage failure stored energy time	5 ms

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Input current	
Rated value at 24 V DC	800 mA; without backplane bus and USB power supply
Power loss	
Power loss, typ.	34 W
Memory	
Type of memory	256 KB non-volatile memory for retentive data
Work memory	
• integrated	1 Gbyte
Hardware configuration	
Integrated power supply	Yes
Interfaces	
serial interface	0
Industrial Ethernet	
• Industrial Ethernet interface	X1: 2 ports 10/100 Mbit/s (ERTEC-based) X2: 1 port 10/100 Mbit/s
EMC	
Emission of radio interference acc. to EN 55 011	
• Limit class A, for use in industrial areas	Yes
Degree and class of protection	
Degree of protection acc. to EN 60529	
• IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes; Included in cULus
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Vibrations	
• Operation, tested according to IEC 60068-2-6	Yes
• Transport, tested acc. to IEC 60068-2-6	Yes
Shock test	
• tested according to IEC 60068-2-27	Yes

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• tested according to IEC 60068-2-29	Yes

Dimensions	
Width	160 mm
Height	125 mm
Depth	115 mm

Weights	
Weight, approx.	1.5 kg

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