

SIEMENS

Product 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

General information

Hardware product version	01
Firmware version	V2.0

PC configuration

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

Supply voltage

Rated value, 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 losses	
Power loss, typ.	34 W
Memory	
Memory type	256 KB non-volatile memory for retentive data
Work memory	
integrated	1 Gbyte
Interfaces	
Number of USB interfaces	2
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	
IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes ; Included in cULus
cULus	Yes
C-TICK	Yes
FM approval	Yes
Ambient conditions	
Operating temperature	
Min.	0 °C
max.	50 °C
Storage/transport temperature	
Min.	-40 °C
max.	70 °C
Vibrations	
Operation, checked according to IEC 60068-2-6	Yes

Transport tested checked to IEC 60068-2-6	Yes
Shock test	
checked according to IEC 60068-2-27	Yes
checked according to IEC 60068-2-29	Yes
Shock testing	
checked according to IEC 60068-2-29	Yes
Operation, checked according to IEC 60068-2-29	Operation, tested according to IEC 60068-2-27
Storage/transport, checked to IEC 60068-2-29	Yes
Dimensions	
Width	160 mm
Height	125 mm
Depth	115 mm
Status	Jul 17, 2012