



SIMATIC CN 4100 CPU module Process Automation, CPU module for SIMATIC CN 4100, protocols: OPC UA client, MODBUS TCP, S7 PUT/GET TCON

General information	
Product type designation	CPU modules 1 slot
HW functional status	FS04
Firmware version	V3.1
Engineering with	
• PCS 7 configurable/integrated from version	V9.0 SP3
• PCS neo can be configured/integrated from version	V4.0
• CNET can be configured/integrated as of version	V1.0
Supply voltage	
Rated value (DC)	24 V
Input current	
Current consumption, max.	800 mA
Power loss	
Power loss, typ.	10 W
Memory	
Type of memory	Flash
Work memory	
• integrated	2 Gbyte; ECC
• expandable	No
Backup	
• present	Yes; Entire project maintenance-free in the integral EEPROM
CPU-blocks	
FB	
• Number, max.	16 000
Hardware configuration	
Slots	
• required slots	1
Interfaces	
Number of industrial Ethernet interfaces	3
Protocols	
Supports protocol for PROFINET IO	No
EtherNet/IP	No
Modbus TCP	Yes
Modbus RTU	Yes; with serial modules
S7 protocol	Yes; PUT/GET (PCS 7) or Tcon (PCSneo)
OPC UA	Yes
IEC 60870-5-101	Yes; with serial modules
IEC 60870-5-104	Yes
Modbus TCP	

Connections			
— number of connected servers, max.	150		
— number of own servers, max.	10		
— number of signals per AS, max.	2 500		
OPC UA			
• Runtime license required	Yes		
• OPC UA Client	Yes		
— Security policies	Yes		
— User authentication	Yes; "anonymous" or by user name & password		
— Number of connections, max.	30		
— Number of nodes of the client interfaces, recommended max.	2 500		
• OPC UA Server	Yes		
— Security policies	Yes		
— User authentication	Yes		
— GDS support (certificate management)	Yes		
— Sampling interval, min.	100 ms		
— Publishing interval, min.	100 ms		
• Alarms and Conditions	No		
Standards, approvals, certificates			
CE mark	Yes		
UKCA mark	Yes		
cULus	Yes		
Use in hazardous areas			
• EAC Ex	No		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	-30 °C		
• horizontal installation, max.	60 °C		
• vertical installation, min.	-30 °C		
• vertical installation, max.	45 °C		
Dimensions			
Width	45 mm		
Height	185 mm		
Depth	112 mm		
Weights			
Weight, approx.	0.44 kg		
Classifications			
		Version	Classification
	eClass	14	27-24-22-07
	eClass	12	27-24-22-07
	eClass	9.1	27-24-22-07
	eClass	9	27-24-22-07
	eClass	8	27-24-22-07
	eClass	7.1	27-24-22-07
	eClass	6	27-24-22-07
	ETIM	10	EC000236
	ETIM	9	EC000236
	ETIM	8	EC000236
	ETIM	7	EC000236
Approvals / Certificates			
General Product Approval			For use in hazardous locations



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