

Data sheet

iC9210-PN (PMC9210P0)

Technical data

Order no.	PMC9210P0
Type	iC9210-PN
Module ID	-
General information	
Note	-
Features	-
Technical data power supply	
Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	yes
Current consumption (no-load operation)	0.2 A
Current consumption (rated value)	1.5 A
Inrush current	1 A
I _q	0.3 A ² s
Max. current drain at backplane bus	3 A
Max. current drain load supply	-
Power loss	12 W
Hardware	
CPU	Triton (ARM A17)
CPU cores	3
Frequency	1.26 GHz
RAM	1 GB
eMMC	4 GB
Operating controls	LEDs, Three-point switch, DIP-switches
Integrated SliceBus supply	yes
Connectors	
Serial Com (Sub-D)	-
SliceBus	yes
Number of RJ45 interfaces	GMAC: 1 Port RTE: 2 Ports
External SD card	
External SD card	yes
Operating system	
Operating system	Linux with RT Kernel
Overlay filesystem on internal eMMC	yes
Overlay filesystem on internal eMMC, Capacity	512 MB
Overlay filesystem on external SD card	yes
Overlay filesystem on external SD card, Capacity	depending on SD card
Firewall	yes
SSH/SFTP	yes
Synchronization via Ethernet (NTP)	yes
DNS	yes

IEC 61131 runtime system	
Program memory	1 MB
Data memory	2 MB
Retain memory	64 KB
Realtime clock	
Realtime clock	yes
Accuracy Realtime clock	1 minute deviation per month
Buffered time	28 days @ 25°C
Execution and Synchronization Manager (ESM)	
Execution and Synchronization Manager (ESM)	yes
Min. task cycle time (ESM)	4 ms
ESM cores	1
Maximum parallel tasks	16
SliceBus	
Amount of process data per module	up to 60 bytes
Max number of modules	64
Cycle time [ms]	4, 8, 16, 32, 64, 128, 256, 512
OPC UA	
OPC UA	yes
Server	yes
Max parallel sessions	5
Sampling rates	100 ms - 5 s
Encryption suite Basic128Rsa15	yes
Encryption suite Basic256	yes
Encryption suite Basic256Sha256	yes
Encryption suite Aes256Sha256RsaPss	yes
Encryption suite Aes128Sha256RsaOaep	yes
Programming	
IEC 61131-3	yes
Web-based Management (WBM)	
Web-based Management (WBM)	yes
Ethernet	
Ethernet-capable ports	GMAC: 1 Port x 10/100/1000 Mbit/s (Half/Full duplex)
EtherCAT Master	
Number of EtherCAT-slaves	-
Update time	-
EoE support	-
CoE support	-
FoE support	-
Distributed Clock support	-
Hotconnect Slaves	-
Isochronous mode	-
Functional safety	
Minimum time	-
Maximum time	-
Program memory safe program	-
Data memory	-

Safety protocol	-
Number of FSoE devices	-
Safety related input data	-
Safety related output data	-
Standard input data	-
Standard output data	-
Max. number of FB instances	-
Safety requirements	-

PROFINET System

VendorID	0x0111
DeviceID	0x0368
Specification	Version 2.3
PROFINET-capable ports	RTE: 2 Ports x 100 Mbit/s (Full duplex)
Controller	yes
- Max. number of devices	64@16ms, 32@8ms, 16@4ms
- Max. number of I/O data (incl. IOxS)	-
- Cycle time	4, 8, 16, 32, 64, 128, 256, 512
- System Redundancy	yes
- Fast Startup	yes
- Fast Startup, Max. number of devices	32
- Topology	yes
Device	yes
Device I/O Data	2 Byte / 2 Byte 4 Byte / 4 Byte 8 Byte / 8 Byte 16 Byte / 16 Byte 32 Byte / 32 Byte 64 Byte / 64 Byte 128 Byte / 128 Byte 256 Byte / 256 Byte 436 Byte / 436 Byte 512 Byte / 512 Byte
- Cycle time	1 ms .. 512 ms
- MRP Client supported	yes

Housing

Material	PC
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	72 mm x 134 mm x 112 mm
Net weight	488 g
Weight including accessories	503 g
Gross weight	621 g

Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-40 °C to 70 °C

Certifications

UL certification	in preparation
KC certification	in preparation
UKCA certification	yes
ChinaRoHS certification	yes