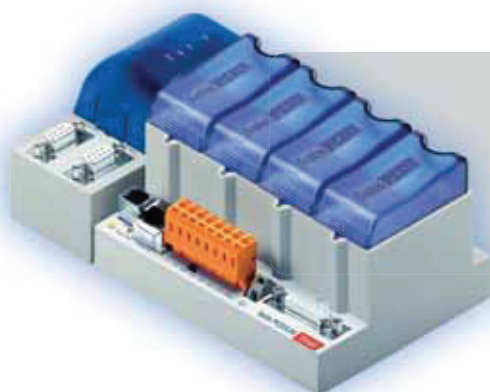


Saia PCD3.Mxx60 controllers

High-performance CPU



1023	I/O
up to 4.2 GB	File system
2 MB	Program
0.1/0.3 μs bit/word	CPU speed

Technical Data

	PCD3.M5360	PCD3.M5560	PCD3.M6560	PCD3.M6860
	Power	Power DP Slave	Power DP Master	Power 2 × Ethernet
Number of inputs/outputs	1023			
or I/O module slots	64			
I/O expansion connection for PCD3.Cxxx module holder	Yes			
Processing time [μs]	bit operation	0.1...0.8 μs		
	word operation	0.3 μs		
Real-time clock (RTC)	Yes			

Onboard memory

Program memory, DB/text (flash)	2 MB
User memory, DB/text (RAM)	1 MB
Flash memory (S-RIO, configuration and backup)	128 MB
User flash file system (INTFLASH)	128 MB
Data backup	1...3 years with lithium battery

Onboard interfaces

USB 1.1	Yes			
Ethernet 10/100 Mbps, full-duplex, auto-sensing/auto-crossing	Yes			2 ×
RS-232 on D-Sub connector (PGU/Port 0)	up to 115 kbits			No
RS-485 on terminal block (Port 2) or RS-485 Profibus-DP Slave, Profi S-Net on terminal block (Port 2)	up to 115 kbits up to 187.5 kbits	up to 115 kbits No	up to 115 kbits up to 187.5 kbits	
RS-485 on D-Sub connector (Port 3)* or Profibus-DP Slave, Profi S-Net on D-Sub connector (Port 10)* or Profibus-DP Master on D-Sub connector (Port 10)*	Up to 115 kbits ¹⁾ No No	Up to 115 kbits ²⁾ Up to 1.5 Mbits ²⁾ No	No No up to 12 Mbits ²⁾	No No No

* can be used as an alternative

¹⁾ electrically connected

²⁾ electrically isolated

Options

The data memory can be expanded to 4 GB with flash memory modules (with file system).

Optional data interfaces

I/O slot 0	PCD3.F1xx modules for RS-232, RS-422, RS-485 and Belimo MP-Bus
I/O slot 0...3 up to 4 modules or 8 interfaces:	PCD3.F2xx modules for RS-232, RS-422, RS-485, BACnet® MS/TP, Belimo MP-Bus, DALI and M-Bus

General specifications

Supply voltage (in accordance with EN/IEC 61131-2)	24 VDC, -20/+25% max. incl. 5% ripple or 19 VAC ±15% two-way rectified (18 VDC)
Power consumption	typically 15 W for 64 I/Os
Capacity 5 V/+V (24 V) internal	max. 600 mA/100 mA

1 Automation stations

2 Operation and monitoring

3 Dedicated room controllers

4 Consumer data acquisition

5 Switch cabinet components