Saia PCD3.M3xx0 controllers
The base CPU for simple applications

1023	I/O
up to 4 GB	File system
512 kByte	Program
0.3/0.9 µs 0.1/0.3 µs bit/word	CPU speed

Automation Server integrated in the base unit
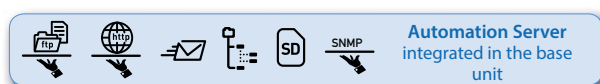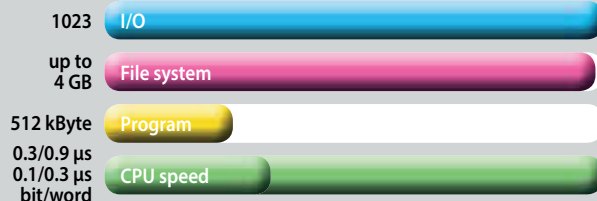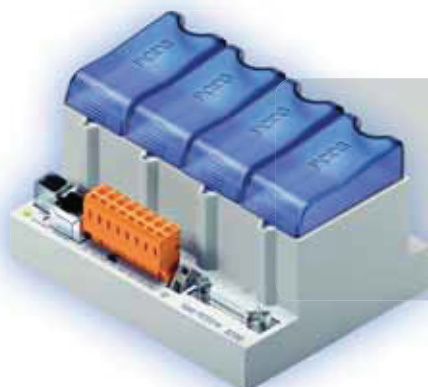
Types

▸ PCD3.M3120 CPU basic module with Ethernet TCP/IP, 64 I/Os, 128 kByte of program memory

▸ PCD3.M3160 CPU basic module with Ethernet TCP/IP, 64 I/Os, 512 kByte of program memory

▸ PCD3.M3330 CPU basic module with Ethernet TCP/IP, 1023 I/Os, 512 kByte of program memory

▸ PCD3.M3360 CPU basic module with Ethernet TCP/IP, 1023 I/Os, 512 kByte of program memory

Technical Data	PCD3.M3120	PCD3.M3160	PCD3.M3330	PCD3.M3360
	Basic	Basic Power	Basic	Basic Power
Number of inputs/outputs	64		1023	
or I/O module slots	4		64	
I/O expansion connection for PCD3.Cxxx module holder	No		Yes	
Processing times [µs] bit operation word operation	0.3…1.5 µs 0.9 µs	0.1…0.8 µs 0.3 µs	0.3…1.5 µs 0.9 µs	0.1…0.8 µs 0.3 µs
Real-time clock (RTC)	Yes			

Onboard memory

	PCD3.M3120	PCD3.M3160	PCD3.M3330	PCD3.M3360
Main memory (RAM) for program and DB/text	128 kByte	512 kByte		
Flash memory (S-RIO, configuration and backup)	2 MByte			
User flash file system (INTFLASH)	No	128 MByte	No	128 MByte
Data backup	4 hours with SuperCap			

Onboard interfaces

USB 1.1	Yes	
Ethernet 10/100 Mbits, full-duplex, auto-sensing/auto-crossing	Yes	
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	

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