

Ready for take-off! New generation Saia®PCD2 is now complete

Since early summer 2008, the basic Saia®PCD2.M5 has been in its launch phase with great success. The PCD2.M5 was the first product of the new Saia®PCD2 generation to be ready for sale.



Saia®PCD2.M5

Saia®PCD2.M5540 –
CPU and 8x module carrier
in one

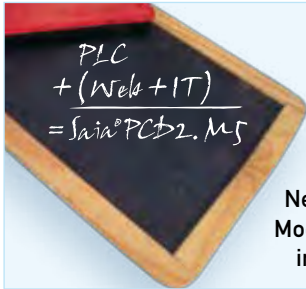
With the completion of the new Saia®PCD2 series, we aim to help the Saia®PCD2 catch up with the Saia®PCD3 series in growth and volume.

Completion means that all the important options from the existing first-generation Saia®PCD2 are now available. Previously, anyone who wanted to use web and IT features, such as SD flash memory extensions, had to turn to the Saia®PCD3. The PCD2.M series has now drawn level with the Saia®PCD3 series on web and IT features while, with the integral Nano-Browser panel, it has even pulled slightly ahead in technology.

Below we will briefly present once again the essential features of the new Saia®PCD2 generation and then set out the new options and functions that are available from autumn 2008.

With all its new ingredients and varieties, the position that the pizza-style Saia®PCD2 occupies on the menu of the automaters of this world will again be a broader one. It demonstrates the systematic advantages and strengths of flat-style construction at its best.

Brief description of the new Saia®PCD2



**New Saia®PCD2.M series:
Modular automation devices
in flat-type construction**

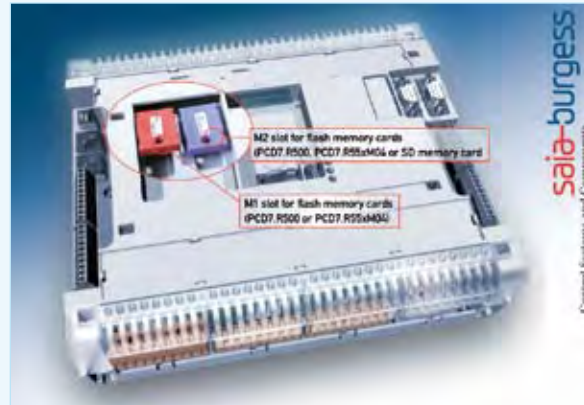
Innovative web and IT technologies on a freely programmable automation device matching the PLC quality standard IEC 61131-2: the appeal of the new has been combined with the proven quality of the old by Saia-Burgess and is now available in devices with a flat-style construction. What previously was only possible with a PC/IPC or high-end controller is now offered by the new mid-range in the form of the Saia®PCD2.M5.

The basic device is a CPU and I/O module carrier in one. For communication, the following interfaces are present as standard: USB, Ethernet with switch, RS232/RS 485 – 115 Kbaud, RS 485/Profibus 1.5 Mbaud. For fast signals, 6 inputs and 2 outputs have been integrated in the CPU. The basic device can be equipped from a choice of 50 different I/O modules up to 256 I/Os. Through expansion units, the number of I/Os can even be increased to 1023.

Without changing the frame size, expansion is possible from 4 to 15 communications interfaces,

Saia®PCD2 Screensaver

Download the Saia®PCD2 Screensaver free-of-charge under www.sbc-support.ch/pcd2-m5/. This informative 3D animation shows the main features in an attractive form. The Saia®PCD2 screen saver is available in 12 languages.



including CAN, Profibus DP 12 Mbaud and MP Bus. No other automation device in its class can do this!

Internal program/data memory for applications can be expanded from 1 MByte to 4 GBytes. This data can be accessed via FTP or http, SMTP or directly in Excel-compatible CSV format.

The small, optional, built-in browser control unit with its 1.9 inch graphics display uses web technology. This permits on-site operation of the Saia®PCD2 from all PCs and Web-Panels connected in the network, at no added expense.

30 different digital interface modules

24 different analogue interface module

16 different COM and bus modules
e.g. Profibus, CAN, GSM...

10 different function modules
e.g. for motion, weighing...

and many other custom I/O modules





Saia®PCD2.C2000 expansion units coupled together

Expansion units for Saia®PCD2

With these new expansion units, Saia®PCD2 systems are no longer limited to a maximum of 16 I/O slots. Now you can add numerous expansion units and build these systems up to 1023 I/Os, just as you can with Saia®PCD5. A new cable (PCD2.K106) is available that couples expansion units to the CPU and allows for space-saving mounting, as before. Further improvements with the new Saia®PCD2.C2000 are: the use of a different terminal technology, more labelling possibilities, and better protection of electronics from accidental contact.

Regarding engineering in particular, it should be a great relief to know that, in the new C2000, every device supplies its own power. You no longer have to worry about the electrical demands of applications in infrastructure (peace of mind!). Whatever current the I/O modules require is provided by the C2000 itself: a simple, reliable approach.

New communications options available for the Saia®PCD2.M5 series

I/O modules with serial interfaces for PCD2.M5xxx (on slot 0...3)

PCD2.F2100	Serial interface module with 1 x RS 422 / RS 485 and 1 slot to receive PCD7.F1xx
PCD2.F2210	Serial interface module with 1 x RS 232 and 1 slot to receive PCD7.F1xx
PCD2.F2810	Serial interface module with 1 x Belimo MP-Bus and 1 slot to receive PCD7.F1xx

Communications modules for PCD2.M5xxx slot C

PCD7.F7500	Profibus-DP master interface. 12 MBaud
PCD7.F7400	CAN communications module

New IT modules available

Flash memory modules

PCD2.R6000	For PCD2.M5xxx (on I/O slot 0...3) (SD card not included)
PCD7.R-SD1024	Saia®SD SD flash memory card. 1 GByte

New IT modules available

Optional. integral Nano-Browser control panel: Saia®PCD7.D3100E

The concept of “seamless control”, with just one HMI project, from the small operator unit to all devices with a browser (Explorer, Mozilla, etc.) has now been extended with the Saia®PCD7.D3100E to include the on-site display of an automation device. It is an exciting and completely new way of making the on-site control of an automation device available throughout the network, whether on a PC or PDA.

Of course, the HMI project is edited with the Saia®Web-Editor, which you already know from applications with the Micro-Browser and Microsoft® Explorer. ■

One single project to display and operate, local and remote.



Saia®PCD Nano-Browser

- Full graphic display
- 4 grey scales
- Display resolution 128 x 88 pixel
- LED backlight
- Display view size 35.8 x 24.8 mm
- Overall dimensions 47 x 67 mm
- Navigation switch (Joystick)
- Nano-Browser with a sub-set of Micro-Browser functionality

