

B&R INDUSTRIAL AUTOMATION

5PC810.SX01-00

Automation PC 810 One-Slot System Unit

Technical specifications

Parameter	Official value
Expansion	1 PCI slot or 1 PCIe slot, depending on bus unit
Slide-in compact drive	1
CompactFlash slots	2 x Type I
SRAM	512 kB battery-backed; 192 kB remanent variables
Serial interfaces	2 x RS232, 9-pin male DSUB, up to 115 kbit/s
USB	5 x USB 2.0 Type A
Ethernet	2 x 10/100/1000 Mbit/s RJ45
Panel/monitor interface	SDL/DVI/Monitor via female DVI-I
Power supply	24 VDC +/-25%, SELV
Protection	IP20
Dimensions (W x H x D)	8.13 x 27.0 x 25.27 cm with 5AC801.HS00-00/-02; 9.65 x 27.0 x 25.27 cm with 5AC801.HS00-01
Product weight	Approximately 2.2 kg, component-dependent

Product summary

B&R 5PC810.SX01-00 is a one-slot Automation PC 810 system unit with five USB 2.0 ports, dual Gigabit Ethernet, dual RS232, SDL/DVI and onboard battery-backed SRAM.

Selection and integration notes

Expansion

- The selected bus unit provides either one PCI slot or one PCIe slot
- One slide-in compact-drive position supports the documented storage options
- CPU board, memory and heat sink are selected separately for the APC810 configuration

Retention

- Onboard SRAM capacity is 512 kB and is battery-backed
- Up to 192 kB is available for remanent variables in power-failure mode
- The removable battery is accessible behind the orange front door

Interfaces

- Two shielded RJ45 ports support up to 1 Gbit/s
- Five USB 2.0 Type A ports support approved peripherals
- Two RS232 ports and an SDL/DVI/Monitor interface are integrated

Customer questions

Can B&R 5PC810.SX01-00 accept both PCI and PCIe cards at the same time?

No. Its one-slot bus unit provides either one PCI or one PCIe slot, depending on the installed bus model.

How can buyers identify the correct expansion layout for B&R 5PC810.SX01-00?

Confirm the installed one-slot bus model: it determines whether the system accepts one PCI card or one PCI Express card.

Which data is retained during a power interruption on B&R 5PC810.SX01-00?

The system includes battery-backed SRAM, with 192 kB documented for remanent variables in power-failure mode; the application must be configured to use it.

What should be backed up before replacing B&R 5PC810.SX01-00?

Back up both CompactFlash cards or compact storage, the operating-system image, Automation Runtime project, BIOS settings and network configuration.