

B&R INDUSTRIAL AUTOMATION

5PC910.SX05-00

Automation PC 910 Five-Slot System Unit

Technical specifications

Parameter	Official value
Expansion	5 PCI; 4 PCI plus 1 PCIe x8; 2 PCI plus 1 PCIe x8 plus 2 PCIe x1; or 2 PCIe x4 plus 3 PCIe x1
Slide-in drives	1 compact drive and 2 standard drives
Interface-option slots	2
Monitor/panel option slot	1
CFast	1 x SATA III slot
USB	4 x USB 3.0 plus 1 x USB 2.0
Ethernet	2 x 10/100/1000 Mbit/s RJ45
Serial interface	1 x RS232, up to 115 kbit/s
Display interfaces	DisplayPort plus SDL/DVI/Monitor
Power supply	24 VDC +/-25%, SELV; maximum 5.5 A
Protection	IP20
Dimensions (W x H x D)	21.1 x 27.0 x 25.475 cm
Product weight	2.85 kg

Product summary

B&R 5PC910.SX05-00 is a five-slot Automation PC 910 system unit with configurable PCI/PCIe buses, CFast, three drive positions, five USB ports and dual Gigabit Ethernet.

Selection and integration notes

Expansion

- Available buses support five PCI slots or mixed PCI and PCIe layouts
- Up to five expansion positions require a complete power and cooling review
- Every installed card and external connection must be documented before replacement

Storage

- One CFast SATA III slot is integrated
- One compact and two standard slide-in drive positions are provided
- All media, RAID or boot relationships and application licenses must be backed up

Thermal

- Cooling is passive through the selected heat sink and can use an active fan kit
- CPU and expansion-card heat loads determine the permitted ambient conditions
- Clearance and airflow must be maintained around the five-slot chassis

Customer questions

Which five-slot buses are available for B&R 5PC910.SX05-00?

B&R lists four layouts: five PCI; four PCI plus one PCIe x8; two PCI plus one PCIe x8 and two PCIe x1; or two PCIe x4 plus three PCIe x1.

How should the expansion-card power budget be checked for B&R 5PC910.SX05-00?

Add the CPU, drives, every PCI/PCIe card, interface option and USB load, then verify the 24 VDC supply, bus limits, heat sink and airflow.

What storage can be installed in B&R 5PC910.SX05-00?

The system unit provides CFast, one compact slide-in position and two standard slide-in drive positions.

Can B&R 5PC910.SX05-00 remain passively cooled with five cards installed?

Cooling is configuration-dependent; calculate the complete heat load and use the documented active fan and heat-sink options when required.