

B&R INDUSTRIAL AUTOMATION

4PP220.0571-45

Power Panel PP220 5.7-inch Controller HMI

Verified technical specifications

Parameter	Official value
Display	5.7-inch monochrome LCD
Resolution	320 x 240 pixels (QVGA)
Gray levels	8
Touchscreen	Analog resistive
Processor	Geode SC2200, 266 MHz
Memory	64 MB SDRAM; 256 kB battery-backed SRAM
Application storage	CompactFlash Type I
Interfaces	Ethernet 10/100; RS232; 2 x USB
Expansion	1 x aPCI slot
Power	24 VDC $\pm$ 25%; typical 12 W, maximum 17 W
Protection	IP65 front; IP20 rear with CF card
Dimensions	21.2 x 15.6 x 7.6 cm
Weight	1.7 kg

Model-specific summary

B&R 4PP220.0571-45 is a 5.7-inch monochrome Power Panel PP220 controller HMI with resistive touch, one aPCI slot, Ethernet, RS232 and USB.

4PP220.0571-45 selection and integration notes

Expansion

- One aPCI slot supports the documented B&R communication option modules
- The installed aPCI module and its terminal blocks must be identified before replacement
- The Automation Studio hardware tree must match the fitted aPCI option

Retention

- The 256 kB SRAM is battery-backed for retained controller data
- The externally accessible lithium battery has a documented service interval
- A backup capacitor provides temporary buffering during battery service

Power

- The nominal supply is 24 VDC with a $\pm 25\%$ tolerance
- Typical consumption is 12 W and maximum consumption is 17 W
- The required 3-pin power connector is ordered separately when not included

Customer selection questions

What data can be lost when replacing the battery in B&R 4PP220.0571-45?

Battery-backed SRAM and real-time-clock data can be affected if the documented service procedure and backup-capacitor timing are not followed, so save the machine project first.

Can any aPCI module be installed in B&R 4PP220.0571-45?

No. Verify the exact supported aPCI option, connectors, firmware and Automation Studio configuration used by the machine.

Which storage must be transferred to B&R 4PP220.0571-45?

The application is held on a CompactFlash Type I card; make a verified image and confirm card compatibility before transfer.

Does B&R 4PP220.0571-45 include its 24 VDC connector?

The official description requires OTB103.9 or OTB103.91 to be ordered separately, so confirm whether the quoted stock includes it.