

B&R INDUSTRIAL AUTOMATION

5AP920.1906-01

Automation Panel AP920 19-inch Operator Panel

Verified technical specifications

Parameter	Official value
Display	19-inch TFT color
Resolution	1280 x 1024 pixels (SXGA)
Colors	16.7 million
Brightness	300 cd/m ²
Contrast	1000:1
Touchscreen	Analog resistive
USB	3 x USB 2.0 Type A
Expansion	Display Link card or Panel PC 300 insert
Power	24 VDC $\pm$ 25% SELV
Typical power consumption	27 W
Protection	IP65 / Type 4X indoor front; IP20 rear with link card
Dimensions	52.7 x 42.1 x 6.2 cm
Weight	Approximately 8.1 kg

Model-specific summary

B&R 5AP920.1906-01 is a 19-inch SXGA Automation Panel AP920 with resistive touch, three USB ports and Display Link or Panel PC 300 expansion.

5AP920.1906-01 selection and integration notes

Display

- The 19-inch TFT uses a native 1280 x 1024 SXGA format
- The documented contrast ratio is 1000:1
- Analog resistive touch supports industrial operator input

Architecture

- A supported Display Link card connects the panel to a remote industrial PC
- A Panel PC 300 insert supports an integrated computer configuration
- The chosen rear module determines the required cabling, power and host software

Mounting

- The 8.1 kg panel requires a rigid cabinet surface and correct mounting hardware
- The specified cutout and gasket compression are required for the front seal
- Rear clearance must accommodate the installed link card or Panel PC insert and cabling

Customer selection questions

What host resolution should be used with B&R 5AP920.1906-01?

Configure the host and HMI project for the native 1280 x 1024 SXGA format to preserve image sharpness and touch alignment.

Can B&R 5AP920.1906-01 be installed in a lightweight door?

The panel weighs approximately 8.1 kg, so verify door stiffness, cutout reinforcement, hinge loading and mounting hardware before installation.

Which rear option is required for B&R 5AP920.1906-01?

Choose a compatible Display Link card for remote operation or a supported Panel PC 300 insert for integrated computing; match the existing architecture.

How should B&R 5AP920.1906-01 be powered?

Use a properly grounded 24 VDC SELV supply within $\pm 25\%$ and include the rear module and USB devices in the load calculation.