

B&R INDUSTRIAL AUTOMATION

5AP920.1505-01

Automation Panel AP920 15-inch Operator Panel

Verified technical specifications

Parameter	Official value
Display	15-inch TFT color
Resolution	1024 x 768 pixels (XGA)
Colors	16.7 million
Brightness	350 cd/m ²
Touchscreen	Analog resistive
USB	3 x USB 2.0 Type A, 500 mA each maximum
Expansion	Display Link card or Panel PC 300 insert
Power	24 VDC $\pm$ 25% SELV
Typical power consumption	24 W
Protection	IP65 / Type 4X indoor front; IP20 rear with link card
Dimensions	43.5 x 33.0 x 5.4 cm
Weight	Approximately 5.1 kg

Model-specific summary

B&R 5AP920.1505-01 is a 15-inch XGA Automation Panel AP920 with analog resistive touch, three USB ports and Display Link or Panel PC 300 expansion.

5AP920.1505-01 selection and integration notes

Architecture

- Display Link cards support remote-panel connection to a compatible industrial PC
- A Panel PC 300 insert provides an integrated panel-computer option
- The selected rear module determines host interfaces, power and software compatibility

USB

- Three USB 2.0 Type A ports are available on the panel
- Each USB port supports up to 500 mA within the total power budget
- Industrial peripherals should be validated for the installed operating environment

Power

- The supply is 24 VDC with a $\pm 25\%$ tolerance and SELV requirement
- Typical panel consumption is 24 W before optional USB and slot loads
- Power wiring and grounding must account for the installed link or computer module

Customer selection questions

Can B&R 5AP920.1505-01 operate without a rear link or computer module?

No. Select a compatible Display Link card for a remote host or a supported Panel PC 300 insert for an integrated computer.

What screen resolution should the project use for B&R 5AP920.1505-01?

Use the native 1024 x 768 XGA resolution so text, buttons and touch targets align correctly without scaling.

How much USB current is available on B&R 5AP920.1505-01?

Each of the three USB 2.0 host ports supports up to 500 mA, but the total system and rear-module power budget must also be respected.

What power supply should be used with B&R 5AP920.1505-01?

Use a properly grounded 24 VDC SELV supply within $\pm 25\%$ and size it for the panel, rear module and connected USB devices.