

B&R - Power Panel C50

4PPC50.101E-13B

Power Panel C50 10.1-inch Controller HMI

Official exact-model technical summary

Technical specifications

Product family	Power Panel C50
Display	10.1-inch TFT, 1280 x 800 WXGA
Touchscreen	Projected capacitive multi-touch
Controller CPU	ARM Cortex-A9, 2 x 766 MHz
Controller memory	512 MB DRAM, 64 kB FRAM, 2 GB eMMC
Terminal CPU	2 x 800 MHz
Terminal memory	1 GB DRAM, 2 GB eMMC
Industrial interfaces	POWERLINK, Ethernet 10/100, X2X Link
Fieldbus interfaces	1 x CAN and 1 x RS485
USB	2 x USB 2.0
Supply	24 VDC -25% / +30%
Maximum power consumption	23 W
Cooling	Passive
Protection	IP55 front, IP20 rear
Operating temperature	-20 to 60 deg C
Software baseline	Automation Studio 4.7.1; Automation Runtime 4.71
Dimensions	27.15 x 19.0 x 4.22 cm (W x H x D)
Weight	1.78 kg

Documented role

B&R 4PPC50.101E-13B is a 10.1-inch Power Panel C50 controller HMI with a glass front and projected-capacitive multi-touch display.

It combines an embedded machine controller, mapp View operator interface and integrated industrial communication ports in one fanless panel.

Application and verification

- Machine control with integrated mapp View operator visualization
- Packaging and handling equipment requiring touch HMI and POWERLINK control
- Compact production cells using CAN or RS485 field devices with an integrated panel controller

Technical note

B&R 4PPC50.101E-13B requires exact panel cutout, 24 VDC supply, runtime, storage image and network matching. Back up the project and retained data, verify grounding and environmental limits, then test every interface and operator function before production.