6180P-15BPXPDC

01 / Product identity and function

15-Inch Integrated Display Industrial Computer wit

Allen-Bradley 6180P-15BPXPDC is a 15-inch integrated display industrial computer with keypad, touchscreen and DC power. It provides a local operator interface for the installed machine application.

Operator access

Integrated display, keypad and touchscreen

Power arrangement

Dedicated DC input and controlled shutdown

Mounting role

Sealed panel-mounted workstation

Service focus

Operating-system image and peripheral validation

Installed-system context

The exact 6180P-15BPXPDC catalog option is listed as a performance-package 15-inch unit with keypad, touchscreen and DC supply. Rockwell specifies the 1500P panel envelope as about 355 × 483 × 225 mm and an approximate 17.6 kg mass. The documented panel cutout is about 326.4 × 429.3 mm.

Controller platform reference: Rockwell 6180P 1500P. Match the DC circuit, panel opening and approved software image.

System and supply context

Panel-mount the workstation with its sealed front and suitable 18–32 VDC circuit.

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02 / Technical data and limits

Display diagonal	15 in.	**Native display resolution**	1024 × 768
Input voltage	18–32 VDC	**DC power consumption**	144 W
DC current at 18 V	8 A	**DC current at 32 V**	4.5 A
Inrush at 24 V	20 A peak, 5 ms	**DC terminal positions**	+24VDC, 24VTRN, GND
Panel cutout height	326.4 mm approx.	**Panel cutout width**	429.3 mm approx.

Data applicability

The exact catalog number selects the 15-inch performance DC option. Dimensional, electrical and environmental values are from Rockwell’s 1500P/6180P original manuals; software image and installed accessories vary by unit.

What distinguishes the DC option of 6180P-15BPXPDC from an AC 6180P?

The exact catalog suffix selects a DC supply. Rockwell specifies 18–32 VDC on a three-screw terminal block and 144 W consumption, so the AC inlet and 90–264 VAC data from other models do not apply.

Why should the software image be backed up before replacing 6180P-15BPXPDC?

The computer may contain site-specific operating-system, HMI application, driver, license and network settings. A hardware-identical replacement cannot restore these automatically; record and validate the approved image.

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03 / Configuration and uses

1500P chassis height	355 mm approx.	**1500P chassis width**	483 mm approx.
1500P chassis depth	225 mm approx.	**Ethernet ports**	2 Gigabit LAN
Operating temperature	0–55°C	**Panel-mounted front rating**	IEC IP66, subject to installation

The DC model accepts 18–32 VDC through a three-screw +24VDC, 24VTRN and GND terminal block. The manual lists 144 W DC consumption and an inrush of 20 A peak for 5 ms at 24 V. A Class 2/SELV isolated source and a circuit disconnect are specified; the operating system should be shut down before power is removed.

Its 15-inch panel is specified at 1024 × 768 native resolution. The original installation instructions describe two Gigabit Ethernet ports and CAT5/CAT5E cabling. Replacement acceptance must include the installed operating-system image, licensed application, network addresses, peripheral function, front-seal condition and panel clip torque.

Applications

Machine HMI

Display operating values, alarms and commands at a panel position for the installed application.

Local maintenance station

Use the keypad and touchscreen for authorized configuration and diagnostics at the equipment.

Ethernet integration

Connect the dual Gigabit LAN ports to the approved control and plant networks with routed CAT5/CAT5E cabling.

Legacy workstation replacement

Retain application licenses, OS image, drivers and peripheral mapping when exchanging an older integrated computer.

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04 / Service and support

Isolate DC supply

Verify the 18–32 VDC source and +24VDC/24VTRN/GND polarity before connection.

Back up the image

Export the installed OS/application image, settings, licenses and network addresses before removal.

Prepare the panel

Check the cutout, clearance and gasket; use the specified clips and tightening sequence for the front seal.

Use an appropriate source

Provide an isolated Class 2/SELV input and the documented circuit disconnect/UPS practice.

Technical questions

How should display scaling be checked after restoring 6180P-15BPXPDC?

Set the graphics driver to the documented 1024 × 768 native resolution, then check application readability, touchscreen alignment and keypad navigation in the approved HMI project.

Technical enquiry

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