

Allen-Bradley 2711P-B12C4D8 Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	Operator Terminals

Description

The Allen-Bradley/Rockwell Automation 2711P-B12C4D8 terminal is a control terminal from the Allen-Bradley Panelview Plus 6 series. It can control a variety of machines and industrial control systems in a variety of applications. The 2711P-B12C4D8 control terminal supports a keypad and a touchscreen that control both the terminal itself and the machine that the terminal is connected to.

The Technical specifications for 2711P-B12C4D8

Manufacturer Rockwell Automation

Backlight 50,000 hr LED backlight life

Display Size 12.1 inches

Part Number/Catalog No. 2711P-B12C4D8

Brand Allen-Bradley

Product Family: PanelView Plus 1250 Standard Terminals

Product Type: Operator Terminals

Operator Input: Keypad / Touch

Display Type: Color active matrix, thin-film transistor (TFT)

Lifecycle status: Active

Display Area: 246 x 184 mm (9.7 x 7.2 in.)

Resolution: 800 x 600, 18-bit color graphics

Keypad: 1 million presses

Keypad function keys: F1 to F20, K1 to K20; 0...9, Special Characters, Backspace, Enter, Left and Right Tab, keys, Shift keys

Touchscreen: 8-wire Analog Resistive Touchscreen

Operating force: 10-110 g

Internal memory: 512 MB RAM, 512 MB nonvolatile memory (approx. 79 MB free user memory)

Integrated ports: Ethernet, RS-232, 2 USB host

Input Voltage range: 18-32VDC

Product Line Panelview 6 Plus

Display Color Color

Input Type Keypad/Touchscreen

Communication Ethernet and RS-232

Input Power 18-32 VDC

Memory 512 MB RAM

Communication Cable 2711-NC14

Shipping Weight 10 lbs.

Shipping Dimensions 20 x 14 x 8 in

Series Series A and Series B Description

The current Allen Bradley Panelview 6 Plus 2711P-B12C4D8 is an HMI that allows the user to interact with their machine. This operator interface has a 12.1 in. Color Display. The user is able to control the operator interface by utilizing the Keypad/Touchscreen to input information and data. This unit is powered using 18-32 VDC power. This unit has 512 MB RAM memory. The approximate shipping weight and dimensions are 10 lbs. and 20 x 14 x 8 in. This HMI is built with EtherNet/IP (Ethernet Industrial Protocol) is an open industrial network that supports real time I/O messaging, as well as message exchange. The Ethernet port connects to a controller on an EtherNet/IP network by using both the network and standard Ethernet connections. This port can work with

application transfers and printing as well. The EtherNet/IP screen displays and allows the user to modify some of the EtherNet/IP communication settings for a PanelView terminal. The 2711P-RN20 Ethernet communication module is available for the 700 to 1500 terminals if another Ethernet port is required. The module has its own unique IP address. This port has an RJ45, 10/100Base-T connector for network communication and supports MDI/MDI-X connections. The parameters are downloaded with the application.

The Allen-Bradley 2711P-B12C4D8 is an PanelView Plus 6 operator terminal. It also has a Color-active matrix TFT screen and dual input interfaces such as touchscreen and keypad.

The 2711P-B12C4D8 is used to enable real-time interaction between machines or process and operators. Through the Ethernet and RS-232 communication interfaces, data within Programmable Logic Controllers (PLC) and Programmable Automation Controllers (PAC) such as PLC5, SLC500, MicroLogix, CompactLogix, and ControlLogix may be integrated to the HMI devices. This display is coupled with a field-replaceable backlight with luminance of 300 cd/m² (Nits) and estimated runtime of 50,000 hours, minimum when operated at 25 ° C (77 ° F).

To operate this operator terminal, it must be supplied with an input supply voltage range 18-32 Volts DC. The internal memory available to this operator terminal is 512 MB Random Access Memory (RAM) and 512 MB Non-Volatile memory with approximately 79 MB as free user memory. The non-volatile memory may be increased with the use of Secure Digital (SD) cards with catalog number of 1784-SDx that is supported by a hot-swappable SD card slot. Additionally, removable storage may be installed.

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