

Allen-Bradley 2711P-T6C3D Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	Color Active TFT screen

Description

The 2711P-T6C3D is a PanelView Plus 600 color terminal from Allen-Bradley. This electronic hardware is a Human Machine Interface (HMI) device that is powered by an input supply voltage of 18 to 30 Volts DC. It has a 5.5-inch Colored Active Matrix Thin-Film Resistor (TFT) display. It is a touch-operated HMI with embedded interfaces, such as one (1) RS-232 port, one (1) DH-485, and one (1) Ethernet communication interface. Technical specifications for 2711P-T6C3D

Manufacturer Rockwell Automation

Part Number/Catalog No. 2711P-T6C3D

Brand Allen-Bradley

Product Family: PanelView Plus Graphic Terminals

Operator Input: Touch

Display Type: Color Active TFT screen

Display Size: 5.5 inches

Display Area: 112 x 84 mm (4.4 x 3.3 in.)

Resolution: 320 x 240

Backlight: 25,000 hours min at 25 °C (77 °F)

Touchscreen: Analog resistive

Actuation rating: 1 Million actuations

Operating force: 10-110g

Communication ports: One (1) Ethernet, One (1) RS-232, One (1) USB

Input Voltage range: 18 to 30 VDC; 24VDC nominal

Power Consumption: 25 W max (1.0 A at 24V DC)

Series PanelView Plus 600

Module Type Operator Interface Terminal

Input Type Touchscreen

Power Supply 24 Volts DC

Communication RS-232, USB, Ethernet, DH-486

Display 5.7-inch Color

Product Lifecycle Status* Discontinued/Obsolete Description

The Allen-Bradley 2711P-T6C3D PanelView Plus 600 interface device that monitors and controls machines. It offers an easy interface to the machine's status through the 5.7in color active matrix TFT display with an analog resistive and antiglare touch surface. Its touchscreen offers a 4.37 x 3.3in display dimension, with a 320 x 240-pixel display resolution and provides a display surface which can withstand a shock of 110G and a million-press actuation rating. The 2711P-T6C3D has a display brightness of 300 cd/m2 Nits, with a Cold Cathode Fluorescent Backlight (CCFL) that has a 50,000-hour standby time and a built-in battery-backed internal clock with ±2 minutes per month of accuracy. The 2711P-T6C3D has 64MB of internal storage memory for storing a user's applications and a 64MB volatile memory for temporary storage of applications. It has an NEC VR5532A MIP CPU with a processing speed of 350MHZ. The 2711P-T6C3D has a USB 1.1 port for direct connection to external devices and it has 10/100Mbps EtherNet and RS-232 communication ports. It can also expand its network capability via the compatible Data Highway (DH-485) communication module. The 2711P-T6C3D has a DC power source with an input voltage of 18-30V DC and a power consumption of 25W at 24V DC and 1A. It has a functioning 0-55 °C (32-131 °F) temperature range at a relative humidity level of 5-95% without condensation. The 2711P-T6C3D is designed for storage at a temperature of -25-70 °C (-13-158 °F). Its net weight is 930g and approximate dimensions

of 167mm x 266mm x 98mm.

The 2711P-T6C3D is a Touch operated Human Machine Interface (HMI) device. This HMI hardware is primarily made of electronic components. It is part of Allen-Bradley's PanelView Plus Operator terminal which specifically belongs to the PanelView Plus 600 product category. It can be configured to interact with machines and industrial processes by actively communicating with partner Programmable Logic Controllers (PLC) such as PLC 5, SLC500, and the Logix Programmable Automation Controller (PAC) platform, such as MicroLogix, CompactLogix, and ControlLogix. Additionally, it is also capable of communicating with 3rd party devices.

The 2711P-T6C3D has a colored graphic display which measure 5.5-inches in diagonal and display area of 71 x 53 millimeters (2.8 x 2.1 inches) while the display resolution is 320 x 240 pixels. It is also equipped with a backlight display with luminance of 200 cd/m2 Nits and an analog resistive touchscreen with an estimated lifespan of 1 million presses with an actuating force of 10-110 g. For communication, the 2711P-T6C3D has an integrated DH-485 communication port for multi-node communication, which is ideally used for communicating with legacy devices that still support the DH-485 communication protocol. Additionally, this HMI device has an RS-232 interface for point-to-point communication as well as Ethernet communication interface for modern connectivity and networked communication. It supports 10/100 Mbps transmission speed for fast Ethernet communication; it also has a USB communication interface that permits connection of external peripherals such for optional input methods like mouse and keyboard.

The 2711-T6C3D has an operating temperature range of 0-55 °C (32-131 °F) and non-operating temperature of -25-70 °C (-13-158 °F), with a heat dissipation of 85 BTU/hour and relative humidity of 5-95% without condensation.

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