

Allen-Bradley 2711P-B12C10D6 Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	HMI terminal

Description

The 2711P-B12C10D6 from Allen Bradley is designed for efficient human-machine interaction, featuring a 12.1-inch TFT color LCD display. This terminal combines touchscreen capabilities with a keypad to provide a versatile input mechanism. Technical specifications for 2711P-B12C10D6

Manufacturer Allen Bradley

Series Panelview Plus 1250

Part Number 2711P-B12C10D6

Product Type HMI terminal

Input Mechanism Touchscreen + keypad

Screen Technology 12.1" TFT color LCD

Pixel Matrix 800 × 600 pixels

Supply Voltage 24 V DC (11 W) or 85–264 V AC

Max. Power 70 W peak / 39 W nominal

Battery Life ≥4 years at 25 °C

Clock Accuracy ±2 min/month (battery-backed)

Operating Temperature 0 °C to 55 °C

Heat Dissipation 240 BTU/hr

Backlight CCFL, ≥50 000 hr life

Processor & RAM CE-class CPU, 128 MB RAM

Storage CompactFlash slot, up to 512 MB

Communication Ethernet 10/100, RS-232, ControlNet

The Allen Bradley Panelview Plus 1250 model 2711P-B12C10D6 is an advanced HMI terminal. It features a distinctive 12.1-inch TFT color LCD for clear visibility and operates with a pixel matrix of 800 × 600 pixels. This device allows for user interaction through a combination of touchscreen and keypad inputs, enhancing usability.

It supports dual supply voltage options with 24 V DC (11 W) and can also operate with broader AC voltage inputs ranging from 85 to 264 V. The maximum power rating reaches 70 W in peak performance, while the nominal power usage is approximately 39 W. Heat dissipation rates are measured at 240 BTU/hr, indicating effective thermal management.

The terminal is backed by a reliable battery, ensuring a lifespan of at least four years at a consistent temperature of 25 °C. Maintaining clock accuracy at ±2 minutes per month, this unit is well-suited for time-sensitive applications. Operating temperature for the device can range from 0 °C to 55 °C, providing flexibility for various environments.

A high-quality CCFL backlight expels minimal heat while having a lifespan exceeding 50,000 hours, contributing to reduced maintenance needs. Internally, it hosts a CE-class CPU along with 128 MB of RAM to support efficient processing. Additionally, the inclusion of a CompactFlash slot allows for storage expansion up to 512 MB. Communication capabilities are broad, incorporating Ethernet 10/100, RS-232, and ControlNet for integration with diverse industrial systems.

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