

Allen-Bradley 2711P-B10C10D6 Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	Human-Machine Interface (HMI) Terminal

Description

The 2711P-B10C10D6 model from Allen Bradley's Panelview Plus 1000 series is a reliable human-machine interface (HMI) terminal. This device features a 10.4-inch color TFT LCD display, providing a resolution of 640 x 480 pixels. A tactile keypad integrated alongside a touchscreen offers flexible user interaction options. Technical specifications for 2711P-B10C10D6

Manufacturer Allen Bradley

Series Panelview Plus 1000

Part Number 2711P-B10C10D6

Product Type Human-Machine Interface (HMI) Terminal

User Input Combined tactile keypad & touchscreen

Display Technology Color TFT LCD (18-bit depth)

Screen Diagonal 10.4 inches

Pixel Configuration 640 x 480 resolution

Electrical Input Direct current (DC) powered

Energy Consumption 11W maximum power usage

Backup Power 4-year minimum battery lifespan @25°C

Timekeeping ± 2 minute/month clock variance (battery-backed)

Ambient Range 0–55°C operational tolerance

Thermal Load 240 BTU/hour heat emission

Illumination System 50,000-hour CCFL backlight

Processing Memory 128 MB CE-architecture RAM

Removable Media 512 MB CompactFlash expansion

The Allen Bradley 2711P-B10C10D6 is part of the Panelview Plus 1000 series and is a human-machine interface (HMI) terminal designed for effective user interaction. The unit operates with a 10.4-inch color TFT LCD, featuring a pixel resolution of 640 by 480. This setup facilitates a clear and detailed visual presentation. The device has a combined tactile keypad for physical input and a touchscreen for more flexible engagement.

For power requirements, the 2711P-B10C10D6 operates on direct current (DC) and has a maximum energy consumption of 11 watts. It incorporates a backup battery that can last at least four years at a temperature of 25°C, providing reliability for the unit's operation.

In terms of timekeeping, the clock maintains a ± 2 -minute/month variance, ensured by the integrated battery support. The terminal is designed to function effectively within ambient temperature ranges from 0°C to 55°C, allowing it to adapt to various operational settings.

Regarding thermal performance, the unit emits a heat load of around 240 BTU per hour, which is manageable under normal operating conditions. A 50,000-hour CCFL backlighting system enhances visibility. Additionally, it is powered by 128 MB of CE-architecture RAM, sufficient for processing tasks, and can expand storage via a 512 MB CompactFlash card, providing users with customizable memory needs.

Technical Specifications

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This setup

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