

Allen-Bradley 2711P-T12C1D2 Manual

Brand	Allen-Bradley
Product Series	2711P
Product Type	Industrial HMI Terminal (Touchscreen Interface)

Description

The 2711P-T12C1D2 model is a versatile industrial HMI terminal from Allen Bradley's Panelview Plus 1250 series. It features a 12.1-inch TFT color display with a resolution of 1024 x 768 pixels and an 18-bit color depth, providing clear visuals for enhanced monitoring and control. Technical specifications for 2711P-T12C1D2

Manufacturer Allen Bradley

Series Panelview Plus 1250

Part Number 2711P-T12C1D2

Product Type Industrial HMI Terminal (Touchscreen Interface)

Display Size 12.1-inch diagonal active-matrix TFT color screen

Screen Resolution 1024 x 768 pixels with 18-bit color depth

Input Method Touchscreen (8-wire resistive) or hybrid keypad/touch configuration

Communication Ports Ethernet (10/100 Mbps), RS-232 serial, dual USB 2.0 host ports

Power Requirements Dual input: 18–32V DC or 100–240V AC (50/60 Hz)

Memory Capacity 512 MB RAM, 512 MB non-volatile storage (~79 MB user-accessible)

Environmental Rating NEMA 12/13/4X, IEC IP66 (indoor)

Operating Temperature Range 0–55°C (32–131°F) operational; -25–70°C (-13–158°F) non-operational

Heat Dissipation 240 BTU/hr (700–1500 series)

External Storage Support Hot-swappable SD/SDHC cards and USB flash drives

Real-Time Clock CR2032 lithium battery-backed (4-year lifespan at 25°C)

Dimensions (HxWxD) 282 x 416 x 55 mm (11.12 x 16.36 x 2.18 in) – keypad variant

The Allen Bradley 2711P-T12C1D2 is an industrial HMI terminal in the Panelview Plus 1250 series. It provides a 12.1-inch display designed with an active-matrix TFT screen that offers 1024 x 768 pixel resolution, ensuring detailed imagery. Depending on operational needs, users can interact with the device through a responsive touchscreen or a combined keypad/touch interface.

Network capabilities include Ethernet communication at speeds of 10/100 Mbps and an RS-232 serial connection, complemented by two dual USB 2.0 host ports for additional connectivity options. Powering this device is flexible, with dual input options allowing for either 18–32V DC or 100–240V AC (50/60 Hz), which enhances installation versatility.

For data management, it has 512 MB of RAM and 512 MB of nonvolatile storage, where approximately 79 MB is user-accessible. The device supports external storage via hot-swappable SD/SDHC cards and USB flash drives, allowing easy data transfer and logging.

Regarding environmental durability, the Panelview Plus 1250 has an NEMA rating of 12/13/4X and an IP66 rating for indoor use. It withstands operational conditions in a temperature range from 0°C to 55°C (32°F to 131°F) and can be stored at temperatures as low as -25°C and as high as 70°C (-13°F to 158°F).

The heat dissipation for this model is rated at 240 BTU/hr, which is essential for maintaining optimal performance during operation. The real-time clock is maintained by a CR2032 lithium battery, designed to last up to four years under standard conditions of 25°C.. With dimensions of 282 x 416 x 55 mm (11.12 x 16.36 x 2.18 inches), this model is compact and suitable for various mounting considerations.

Technical Specifications

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