

# 2711-B6C1

## PanelView Standard 600 color keypad/touch terminal

It provides local color visualization and keypad/touch operation while exchanging operator data through a Remote I/O connection.

| IDENTITY          | VALUE                                              |
|-------------------|----------------------------------------------------|
| Manufacturer      | Allen-Bradley                                      |
| Model             | 2711-B6C1                                          |
| Product type      | PanelView Standard 600 color keypad/touch terminal |
| HS code           | 8537101190                                         |
| Shipping location | Xiamen, Fujian, China                              |

### Product-specific system role

- Combines keypad and 128-cell touch input
- Displays 320 x 234 color process graphics
- Uses Remote I/O communications
- Stores the PanelBuilder32 application in nonvolatile memory

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2711-B6C1

# Technical Specifications

| PARAMETER             | VERIFIED VALUE          |
|-----------------------|-------------------------|
| Catalog number        | 2711-B6C1               |
| Display               | Color active-matrix TFT |
| Display area          | 115 x 86 mm             |
| Resolution            | 320 x 234 pixels        |
| Operator input        | Keypad and touch        |
| Touch cells           | 128; 16 x 8             |
| Function keys         | 10; F1 to F10           |
| Communication         | Remote I/O              |
| Application memory    | 240 KB nonvolatile      |
| Runtime memory        | 190 KB                  |
| Programming software  | PanelBuilder32          |
| Input voltage         | 85 to 264 V AC          |
| Input frequency       | 43 to 63 Hz             |
| Power consumption     | 60 VA maximum           |
| Operating temperature | 0 to 50 degC            |

## Additional verified data

| PARAMETER           | VERIFIED VALUE                    |
|---------------------|-----------------------------------|
| Storage temperature | -25 to 70 degC                    |
| Relative humidity   | 5 to 95%, noncondensing           |
| Backlight half-life | 50,000 h at 25 degC               |
| Enclosure           | NEMA 12, 13, 4X indoor; IP54/IP65 |

### MODEL-SPECIFIC ENGINEERING NOTE

Isolate AC power and the Remote I/O link, back up the PanelBuilder32 application, preserve node and communication settings, then test every active key and touch cell after replacement.

# System Function and Engineering Context

- Combines keypad and 128-cell touch input
- Displays 320 x 234 color process graphics
- Uses Remote I/O communications
- Stores the PanelBuilder32 application in nonvolatile memory

## Companion components

- PanelView Standard 600 panel cutout
- Remote I/O scanner and cabling
- 85 to 264 V AC supply
- PanelBuilder32 application backup

| APPLICATION                       | SYSTEM ROLE                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------|
| Machine operator station          | Uses 2711-B6C1 in the documented Allen-Bradley PanelView Standard 600 arrangement. |
| Remote I/O process display        | Uses 2711-B6C1 in the documented Allen-Bradley PanelView Standard 600 arrangement. |
| Alarm and status visualization    | Uses 2711-B6C1 in the documented Allen-Bradley PanelView Standard 600 arrangement. |
| Legacy HMI migration verification | Uses 2711-B6C1 in the documented Allen-Bradley PanelView Standard 600 arrangement. |

## Installation and Commissioning Controls

1

Verify the complete 2711-B6C1 marking and the assigned Allen-Bradley PanelView Standard 600 position before work.

2

Place the connected machine or process in the approved maintenance state before disturbing 2711-B6C1.

3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting 2711-B6C1.

4

Record connector, conductor, slot and configuration identities before removal of 2711-B6C1.

5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.

6

Confirm that the installed companion hardware and approved project match the 2711-B6C1 arrangement.

7

Restore power in a controlled sequence and review device, rack and host diagnostics.

8

Prove the intended function and retain the final test result before returning 2711-B6C1 to service.

## Engineer FAQ - Part 1

### What is 2711-B6C1?

Allen-Bradley 2711-B6C1 is panelview standard 600 color keypad/touch terminal. It provides local color visualization and keypad/touch operation while exchanging operator data through a Remote I/O connection.

### Which system uses 2711-B6C1?

Use 2711-B6C1 only in the documented Allen-Bradley PanelView Standard 600 arrangement and the installed hardware configuration.

### What should be checked before installing 2711-B6C1?

Confirm the complete marking, assigned position, companion hardware and approved configuration before field work.

### How should wiring be handled when replacing 2711-B6C1?

Record every connector and conductor before removal, preserve polarity and shielding, and follow the applicable manufacturer connection instructions.

# Engineer FAQ - Part 2

**How is 2711-B6C1 configured after replacement?**

Restore only the approved project or device settings, then verify status and diagnostics before automatic operation.

**How should 2711-B6C1 be commissioned?**

Energize under controlled conditions, exercise the intended system function and record the final diagnostic state.

**What maintenance record is needed for 2711-B6C1?**

Retain the as-found connection record, installed position, configuration revision and functional-test result.

**Can 2711-B6C1 be substituted directly?**

A substitution requires complete catalog-number, hardware-revision, interface and system-compatibility checks against the controlling documentation.

**Related product pages on Apter Power**

| MODEL            | SYSTEM ROLE                   | APTER POWER PAGE                             |
|------------------|-------------------------------|----------------------------------------------|
| 2711P-B7C4D1     | Related Allen-Bradley product | <a href="#">View 2711P-B7C4D1 page</a>       |
| 5069-L380ERM     | Related Allen-Bradley product | <a href="#">Open 5069-L380ERM listing</a>    |
| 1756-PB50        | Related Allen-Bradley product | <a href="#">Explore 1756-PB50 module</a>     |
| 1715-TASOF8      | Related Allen-Bradley product | <a href="#">Review 1715-TASOF8 item</a>      |
| 1492-ACABLE010TB | Related Allen-Bradley product | <a href="#">See 1492-ACABLE010TB profile</a> |
| 1756-EN2T        | Related Allen-Bradley product | <a href="#">Open 1756-EN2T details</a>       |
| 2711P-T15C21D8S  | Related Allen-Bradley product | <a href="#">Visit 2711P-T15C21D8S page</a>   |
| 1734-IR2         | Related Allen-Bradley product | <a href="#">View 1734-IR2 option</a>         |

**SOURCE RECORD**

Rockwell Automation PanelView Standard Operator Terminals User Manual and Technical Data - 2711-UM014G-EN-P; 2711-TD007A-EN-P