

PanelView 800 Graphic Terminals



Graphic Terminals Optimized for Micro and Small Automation Solutions



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 Allen-Bradley • Rockwell Software

**Rockwell
Automation**

PanelView 800 Graphic Terminals

Optimal Visualization Solution for Standalone Machines

To keep up with competition, businesses need smart machines. By leveraging on the Integrated Architecture® system from Rockwell Automation®, smart machines can help businesses to reduce time-to-market, lower total cost of ownership, improve asset utilization, and enhance enterprise risk management for businesses. One vital component in the Integrated Architecture system is the visualization solution that includes the Allen-Bradley® PanelView™ 800 graphic terminals. Packed with high-speed processor, high-resolution display, capability to connect to micro and small controllers, and remote monitoring features, these terminals are ideal for your standalone machines to meet a wide variety of small to midsize applications.

Benefits:

Compatible with Micro and Small Controllers

- Connects to Micro800®, MicroLogix™ and CompactLogix™ 5370* controllers, making it suitable for small and midrange applications
- Saves time with CIP pass-through and bridging between terminal and Micro800 and CompactLogix controllers
- Enhances usability by allowing users to upload or download applications directly through controllers
- Optimizes terminal connectivity with Micro800 controllers through direct tag referencing

Enabled for Remote Monitoring

- Minimizes downtime by allowing operators to remotely monitor and configure terminals via Virtual Network Computing (VNC) servers

Secure Visualization Solution

- Controls personnel access to terminal by securing it with password protection
- Restricts unauthorized connectivity to terminal by enabling or disabling unused EtherNet/IP™ or Serial ports

Multi-functional Display

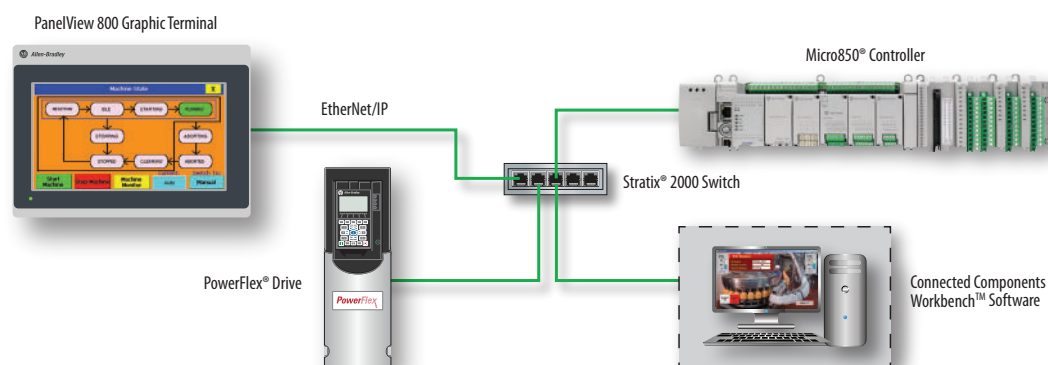
- Enables machine to be flexible by supporting Human Machine Interface (HMI) installation and display in both landscape and portrait modes
- Improves operator to terminal communication with multi-language support

Multi-communication Protocols

- Reduces machine set-up time by allowing users to connect terminals with controllers and other devices through a variety of communication protocols such as:
 - Serial (RS232, RS422/485)
 - Modbus RTU
 - EtherNet/IP
 - Modbus TCP

Ease of Use

- Saves time and increases productivity by allowing users to modify or delete recipe names on terminal
- Reduces programming time by uploading and downloading recipe values in a single operation
- Saves recipe in .csv format for backup or offline modification
- Improves usability with direct application upload from terminal over EtherNet/IP



Feature	4-inch	7-inch	10-inch
			
Catalog Number	2711R-T4T	2711R-T7T	2711R-T10T
Resolution	480 x 272 WQVGA	800 x 480 WVGA	800 x 600 SVGA
Display Type	TFT touch screen, wide LCD		
Display Hour	40,000 hours		
Colors	65K colors		
Backlight	LED		
Power Supply	24V DC		
Processor, CPU Speed	800 MHz		
Operator Input	Resistive touch and tactile function keys	Resistive touch	
Internal Storage	256 MB		
RAM	256 MB DDR		
Real-time Clock With Battery	Yes		
Operating Temperature	0°...50°C		
RS232/RS422/485 (isolated)	Separate RS232 and RS422/RS485 connectors		
Ethernet 10/100 Mbps	1		
USB Host (USB 2.0)	Yes		
microSD™ Slot	Yes		
Controller Connectivity	Micro800, MicroLogix, CompactLogix 5370* Controllers		
Product Dimension (mm) (Height x Width x Depth)	116 X 138 X 43	144 X 197 X 54	225 X 287 X 55
Panel Cutout (mm) (Height x Width)	99 X 119	125 X 179	206 X 269
Weight	0.35 kg (0.76 lb)	0.68 kg (1.48 lb)	1.57 kg (3.41 lb)
Front Bezel Protection	IP65, NEMA 4X, 12, 13		
Certifications	cULus listed; Class 1 Div 2, Groups A,B,C,D, T4A, CE, RCM, KC, RoHS		
Software	Connected Components Workbench Software Version 8 or later		
Catalog Number	–	2711R-APK7	2711R-APK10
Accessories	–	7 in. Adapter Plate Kit	10 in. Adapter Plate Kit

*CompactLogix 5370-L37 excluded

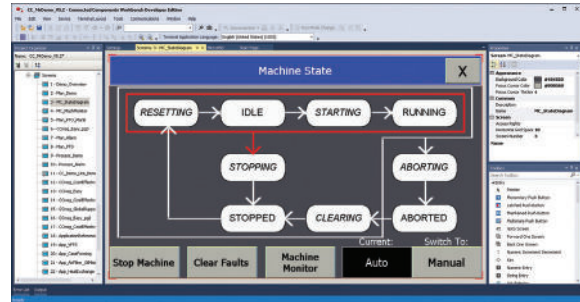
Device Configuration

Connected Components Workbench Software

Minimize initial machine development time and cost with the Connected Components Workbench Software. Developed based on proven Rockwell Automation and Microsoft® Visual Studio® technology, the Connected Components Workbench Software offers controller programming, device configuration, and integration with HMI editor for standalone machine applications.

The free Standard Edition comes with easy-to-use configuration and programming tool for all devices, while the Developer Edition includes additional features such as Archive Manager and Micro800 controller design and development tools for an enhanced user experience.

Learn more: www.rockwellautomation.com/global/go/ccw



DesignStation

DesignStation is a component within Connected Components Workbench Software that offers enhanced user experience when creating applications for PanelView 800 graphic terminals. DesignStation allows users to:

- Configure terminal languages with ease through Unicode language switching
- Program terminal to keep operators updated with machine status through alarm messages with embedded variables
- Reduce programming time for basic recipe capabilities with native recipe objects
- Replicate applications easily across all terminal sizes with Change Graphic Terminal feature

For more information, visit

www.rockwellautomation.com/global/go/pv800

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