PanelView™ 800

Allen-Bradley® Component Level
Human Machine Interface Solutions

Allen-Bradley

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Rockwell
Automation

PanelView 800

PanelView 800 Graphic Terminals

When you are looking to add value to and reduce the cost of your operator interface for your standalone machine, look to the all-new Allen-Bradley PanelView 800 family from Rockwell Automation. Leverage on the high-speed processor, high-resolution display with LED backlight and internal memory, these helps improve productivity and maintenance, while enjoying the convenience and efficiencies of single-source buying. Preferred integration with Allen-Bradley micro controllers offers you an ideal control and visualization solution for a wide variety of applications. PanelView 800 offers the fundamental features that you need on a full line of displays ranging from 4 in. to 10 in., in a compact and easy-to-install package.

Connected Components

Simpler, Faster, Cost-Effective Machine Building

Rockwell Automation offers machine builders a full range of solutions, from cost-effective components to highly integrated systems. Each of these easily implemented solutions helps you accelerate the time to market and lower total cost to design, develop and deliver your machine. Connected Components is the ideal solution for standalone machine builders who require cost-effective components and configuration software that simplifies the entire machine design process.

Unlike other control systems, Connected Components encompasses all the essential components you need and the right control to help meet machine and customer requirements, while improving your operating efficiencies. PanelView 800 provides the visualization suite of products for Connected Components.

PanelView 800 is ideally suited within a MicroLogix or Micro800-based Connected Components solution:

> Simple connectivity
> Simplified engineering
> Faster start-up
> Enhanced diagnostics

Serial or Ethernet Network

PanelView 800 At-A-Glance

4 in.	**7 in.**	**10 in.**
• 4 Function keys and touch screen	• Touch screen	• Touch screen
• 4 in. color TFT display	• 7 in. color TFT display	• 10 in. color TFT display
• 65K colors; 480 x 272 WQVGA	• 65K colors; 800 x 480 WVGA	• 65K colors; 800 x 600 SVGA
• Serial and Ethernet communication	• Serial and Ethernet communication	• Serial and Ethernet communication
• Class 1 Division 2 certified	• Class 1 Division 2 certified	• Class 1 Division 2 certified
• Landscape and portrait mode	• Landscape and portrait mode	• Landscape and portrait mode
	• Compact design, saving installation space	• Compact design, saving installation space

Software At-A-Glance

Connected Components Workbench™ Software

Connected Components Workbench is a single software platform supporting Allen-Bradley HMI, component-class drives, configurable safety relays, soft starters, motion products and Micro800 controllers in your standalone machine.

Standard Edition of Connected Components Workbench is free for download or on DVD and provides everything you need to configure and program your device. No activation license is required which simplifies installation and maintenance. Since you can install on as many PCs as you desire, you will always have the workbench available for making changes and debugging your machine. Developer Edition provides additional tools such as a project archive manager and Micro800 design and development tools to make designing and debugging your control system easier and more efficient.

Device Configuration

- The workbench provides a common environment for configuring the PanelView 800 and the following devices:
  - Micro800® Controllers
  - PowerFlex® 4-Series, 520-Series and 7-Series Drives
  - Kinetix® 3 Servo Drives
  - Guardmaster® 440C-CR30 Software Configurable Safety Relay and MSR57P Speed Monitoring Safety Relay
  - SMC™-50 and SMC Flex Soft Starters
- Use the installed ControlFLASH® to update the PanelView 800 firmware using EtherNet/IP™
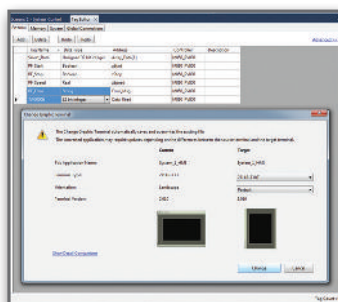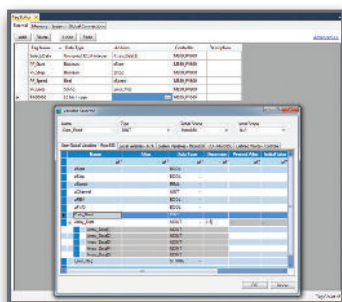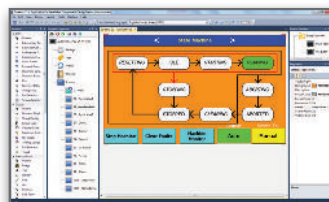- Use RSLinx® Classic to browse for the terminal and download your application

Connected Components Workbench™ Software

DesignStation

PanelView 800 DesignStation software is integrated in Connected Components Workbench software, offering better user experience with significant improvement for DesignTime performance.

- Features include unicode language switching, alarm messages and history, and basic recipe capability
- Platform selection and application version display on dashboard
- Tag browser allows easy mapping to the offline Micro800 variables. Manual entering of variable names is not required.
- Change Catalog allows you to easily migrate your PanelView Component applications to PanelView 800

FEATURES:

Language Support & Switching

- Display information in local languages including French, German, Italian, Portuguese, Spanish and Simplified Chinese for operator and support personnel
- Configure numeric, date and time format for each locale

Alarming

- Alert operators with alarm messages that include embedded variables
- Review alarm status, history and time/date of equipment events even after power cycle

Recipe

- Upload and download parameter settings with a single operation
- Save recipes in .csv format for backup or offline modification
- Review alarm status, history and time/ date of equipment events even after power cycle

Communications

- Communicate to micro controllers (MicroLogix™, Micro800®) and other devices using serial (RS232, RS422/485) protocols and Ethernet
- Multi-communication protocols include Modbus RTU and Modbus/TCP

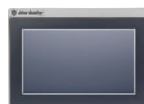### Landscape and Portrait Modes

- Configurable to support both landscape and portrait applications

PanelView 800 Graphic Terminals
- *High-speed processor*
- *High-resolution display with LED backlight*
- *Built-in memory*

PanelView 800 Specifications

Feature	4 in.	7 in.	10 in.
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	128 MB	256 MB	
RAM	128 MB DDR	256 MB DDR	
Operation System	Microsoft Windows CE 6.0		
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		
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 Release 8.00 or later		
Catalog Number	**2711R-CSP**	**2711R-APK7**	**2711R-APK10**
Accessories	Stylus Pen	7" Adapter Plate Kit	10" Adapter Plate Kit

For more information, visit
www.rockwellautomation.com/go/lit/pv800

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