PanelView™ Standard Operator Interface Terminals
Get The View

Experience Complete Satisfaction With Allen-Bradley

Since 1903, Rockwell Automation’s Allen-Bradley has earned a worldwide reputation as the most trusted brand name in industrial automation. Its reputation is built on a very simple strategy: providing customers with products of uncompromising quality and reliability. The PanelView Standard family of operator terminals is a good case in point. These operator terminals exemplify Rockwell Automation’s commitment to the highest standards of product dependability, technological innovation, and performance. And because your absolute satisfaction is important to us, we back you and our products with the highest levels of customer service and support in the industry. Your local Rockwell Automation representative is your source for expert sales and order support, as well as:

• Product technical training
• Warranty support
• Service agreements

PanelView Standard

High Performance Electronic Operator Terminals to fit your needs

The PanelView Standard operator terminals, from the 300, 550, 600, 900, 1000, and 1400, are engineered for maximum performance in space saving, flat panel designs or 14-inch CRTs. These electronic operator interfaces feature brilliant graphics capabilities and high performance functionality in color, grayscale and monochrome displays. The PanelView Standard family offers you a complete line of rugged electronic operator interface solutions in a variety of sizes and configurations to meet your specific application requirements.

Flexible Communications and Controller Connectivity

The PanelView Standard family of operator interfaces offers you multiple communication options to Allen-Bradley’s MicroLogix®, SLC 500®, PLC®, and ControlLogix® control platforms as-well-as other PLC brands.
choose from a stand-alone single system to multi-layer enterprise wide solutions. Each system is capable of providing process information over a variety of communication protocols via DeviceNet™, ControlNet™, Data Highway Plus™, Remote I/O, DF1™ (RS232), DH-485, Profibus™, and Modbus™.

**Advanced Alarm Handling Capabilities**
The PanelView Standard terminals feature a suite of advanced alarm handling capabilities. Terminals can record and display important data on triggered alarms, while alarm banners alert operators and maintenance personnel to slow or fault conditions. These advanced alarm handling capabilities can be configured specifically for your application needs.

**Universal Language Support**
PanelView Standard operator terminals offer Universal Language support in over 46 languages. Using PanelBuilder32™, applications can be easily created or converted to any language (or character set) supported by Windows.

**ATA PC Memory Card**
The family of PanelView Standard terminals supports standard ATA memory cards. These cards are used to store font files for running applications in local languages. They are also used to transfer application files from a PC to a PanelView or between other PanelView terminals.

**PanelBuilder32™ Software**
PanelBuilder32 is the configuration software used across the entire family of PanelView Standard operator interface terminals, allowing easy conversion and reuse of existing applications. This software uses a Microsoft® Windows® graphical interface, color palettes, pre-configured symbols, objects, and graphics for quick and easy screen configuration.

**Screen Security**
PanelView Standard terminals offer you the ability to secure application screens to qualified users. Up to 16 passwords are allowed per application.
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PanelView Standard Family

Features
• Keypad, Touch Screen, or Keypad/Touch Screen combination terminals offer convenient and flexible choices for operator input

• Pixel Graphic Displays in color, grayscale and monochrome are designed to offer minimal depth with maximum viewing angles

• Full Complement of Operator Devices to create screens including push buttons, selectors, numeric and ASCII entry devices, diagnostic indicators, message displays, embedded numeric and ASCII variable displays, custom graphics and more

• Extensive Alarm Capabilities to record and display important data on triggered alarms including active status, with additional options for printing or clearing the Alarm List.

• Screen Security – operator access can be controlled by assigning security classifications to application screens

• Optional RS-232 Printer Port to print alarms, alarm lists, triggered messages and triggered states of a multi-state indicator

• Field replaceable backlights to extend the life of the PanelView 550, 600, 900 and 1000 (color) terminals

• Universal Language Support for over 46 languages

• Communications Flexibility. ControlNet, DeviceNet, Data Highway Plus, Remote I/O, DH-485, and DF1 protocols make these terminals ideal for PLC, SLC 500, ControlLogix, and MicroLogix control platforms as well as open device level communications

PanelView Standard operator terminals, from the PanelView 300, to the PanelView 1400, are engineered for maximum performance. Featuring brilliant graphics capabilities – in color, monochrome, or gray scale – and high performance functionality.

The PanelView family offers you a complete line of rugged electronic operator interface solutions in a variety of sizes and configurations to meet your particular needs. These PanelView operator terminals are ideal for a whole host of applications. You will find them working hard in more than 80 countries around the world, supporting such industries as automotive, pulp and paper, water and wastewater and petrochemical.

And make no mistake – these PanelView terminals are ready to take on the most demanding working environments. Each PanelView Standard terminal carries UL, cUL/CSA and CE certifications. They are also rated for NEMA 4X and approved for Class 1 Division 2 (flat-panel only) operation.
PanelView 300, 550, and 600 operator interface terminals

The PanelView 300, 550, and 600 operator terminals offer electronic operator interface capabilities in a space saving, flat-panel design. The result is a compact package that's loaded with performance functionality. These terminals feature pixel graphics for enhanced operator screens. The PanelView 300 and 550 interfaces have monochrome LCD displays while the PanelView 600 has an active matrix thin film transistor (TFT) or passive matrix color display.

PanelView 300 (Monochrome)

- 3” diagonal transflective LCD (LED back-lit) monochrome display, ideal for high ambient light applications; 128x64 pixel resolution
- 8 Function keys, Numeric keypad, Cursor Control keys; 2.7” (69mm) installed depth; 100,000 hour LED backlight life
- DeviceNet, DH-485, and DF1 communications

PanelView 550 (Monochrome)

- Keypad or Keypad/Touch Screen combination
- 5.5” diagonal LCD monochrome display; 256x128 pixel resolution
- 10 Function keys, Numeric keypad, Cursor Control keys; 3.4” (86mm) installed depth

PanelView 550 Touch Only (Monochrome)

- 30% smaller than keypad version; fits in PV600 Touch Only cutout
- 5.5” diagonal LCD monochrome display; 256x128 pixel resolution
- 128 Touch Cells; 2.5” (64mm) installed depth

PanelView 600 (Color)

- Keypad or Keypad/Touch Screen combination
- 6.0” diagonal TFT active matrix color display; 320x234 pixel resolution
- 10 Function keys, Numeric keypad, Cursor Control keys; 3.6” (91mm) installed depth

PanelView 600 Touch Only (Color)

- 35% smaller than the keypad version; fits in PV550 Touch Only cutout
- 6.0” diagonal passive matrix color display; 320x240 pixel resolution
- 128 Touch Cells; 3.12” (79mm) installed depth
PanelView 900, 1000, and 1400 operator interface terminals

The PanelView 900, 1000, and 1400 are the heavy-duty workhorses of the PanelView Standard family. These operator interfaces provide a window into your machine or process with exceptionally wide viewing angles to help you focus on critical information essential for maintaining uptime. The PanelView 900 and 1000 have minimal depth with their flat panel design, while the PanelView 1400 offers the ultimate in size and viewability in a color CRT operator interface. The PanelView 900, 1000, and 1400 are available in both keypad or touchscreen input designs.

PanelView 900 (Color)
- Keypad or Touch Screen
- 8.4” diagonal TFT active matrix color display; VGA 640x480 pixel resolution
- Keypad Version: 16 Function keys, Numeric keypad, Cursor Control keys
- Touch Screen Version: 384 Touch Cells
- 3.5” (90mm) installed depth

PanelView 1000 (Color or Grey Scale)
- Keypad or Touch Screen
- Color: 10.4” diagonal TFT active matrix color display; VGA 640x480 pixel resolution
- Grey Scale: 10.4” diagonal Electro-luminescent (EL) display; 640x480 pixel resolution
- Keypad Version: 16 Function keys, Numeric keypad, Cursor Control keys
- Touch Screen Version: 384 Touch Cells
- 3.5” (90mm) installed depth

PanelView 1400 (Color)
- Keypad or Touch Screen
- 14” diagonal CRT color display; SVGA 800x600 pixel resolution
- Keypad Version: 21 Function keys, Numeric keypad, Cursor Control keys
- Touch Screen Version: 384 Touch Cells
- 14.7” (370mm) installed depth
Flexible Communication Options

The PanelView Standard 300, 550, 600, 900, 1000, and 1400 operator terminals offer flexible configuration and communications. These communication options allow you to select the optimum method for your application needs. The options span from the simple point-to-point RS-232 to the sophisticated and high speed ControlNet. In addition, Profibus and Modbus are available with DeviceNet and ControlNet to communicate to many other brands of PLC controllers. Available in several versions:

- **DeviceNet Terminal** connects and communicates at device level on a DeviceNet link using server explicit, client explicit, I/O or ‘Listen Only’ messaging. It also connects to PLC-5, SLC 500, and ControlLogix controllers on the link using a DeviceNet Scanner Module.

- **ControlNet Terminal** connects to multiple controllers on a ControlNet network. Scheduled and unscheduled PLC-5/ControlLogix messages are supported with redundant cabling.

- **Data Highway Plus Terminal** connects to a single PLC, or SLC 5/04 controller, or ControlLogix system or multiple controllers on the Allen-Bradley DH+™ network. Direct access to controller data files minimizes ladder logic.

- **Remote I/O Terminal** connects to a PLC or SLC 500 controller, or ControlLogix system, on the 1771 Remote I/O network, supporting both discrete and block transferring of data.

- **DH-485 Terminal** connects to a single or multiple SLC 500 or MicroLogix processors on the Allen-Bradley DH-485 network. It supports point-to-point or network transfers.

- **RS-232 (DH-485 protocol) Terminal** connects to MicroLogix and SLC 500 controllers using DH-485 protocol. In a point-to-point configuration, it provides a dedicated connection for high priority data.

- **DF1 Terminal** communicates with a single SLC 500, PLC-5 or MicroLogix controller over a point-to-point DF1 link or DF1 network connection using full duplex communications.

- **Profibus Terminal** communicates using the Profibus DP standard for high-speed (up to 1.5M baud) data transmission to Siemens® and other controllers supporting the Profibus DP protocol.

- **Modbus Terminal** uses this half duplex, master-slave protocol to communicate over non Rockwell Automation control architectures including Modicon and GE® controllers.
DeviceNet Communications Option

PanelView Standard operator interfaces are certified DeviceNet compliant. This compliance guarantees compatibility with other compliant devices. The DeviceNet terminals connect and communicate at device level on a DeviceNet link (at 125k, 250k or 500k baud) using server explicit, client explicit, I/O or listen only messaging. They can also connect to PLC, SLC, and ControlLogix controllers on the link that uses a DeviceNet Scanner Module. Direct access to data minimizes ladder logic. Application files are easily downloaded or uploaded using PanelBuilder32 over the DeviceNet network or directly via the on-board RS-232 printer port, or with a PC memory card.

- Supports change-of-state, cyclic, polled, and peer-to-peer messaging for efficient communication
- DeviceNet ‘Listen Only’ functionality reduces network traffic and logic required to provide information to a PanelView
- Enhances troubleshooting on the DeviceNet network
- Terminals communicate with a range of devices on the network
**ControlNet Communication Option**

The ControlNet terminals can connect to a single or multiple controllers on a ControlNet network. They support scheduled and unscheduled access to controller data — and redundant cabling. They also support symbolic CIP addressing when communicating to a ControlLogix system. Each terminal also features a Network Access port for local access to the ControlNet network. Application files are easily downloaded or uploaded using PanelBuilder32 on the ControlNet link or directly via the on-board RS-232 printer port. The PC memory card interface can also be used.
Data Highway Plus
The Data Highway Plus terminals are capable of point-to-point communication with a single controller as well as network communication with multiple controllers over an Allen-Bradley DH+ network. Direct access to controller data files minimizes ladder logic. Application files are easily downloaded or uploaded using PanelBuilder32 over the DH+ network or directly via the on-board RS-232 printer port, or with a PC memory card.

1771 Remote I/O
The Remote I/O terminals connect to a PLC or SLC 500 controller (via 1747-SN module) and ControlLogix system (via 1756-DHRIO) on the 1771 Remote I/O network, supporting both discrete and block transferring of data. Application files are easily downloaded or uploaded using PanelBuilder32 via Remote I/O ‘Pass Through’, or directly via the on-board RS-232 printer port, or with a PC memory card.
**DH-485 Communication Option**

The DH-485 terminals are capable of point-to-point communication with a single SLC 500 or MicroLogix controller, as-well-as network communication with multiple processors over the DH-485 network. Direct data table access via DH-485 minimizes the need for additional ladder logic. Application files are easily downloaded or uploaded using PanelBuilder32 over the DH-485 network or directly via the DH-485 programming port, or with a PC memory card.

**RS-232 (DH-485 protocol) Communication Option**

The PanelView Standard RS-232 terminals connect point-to-point to a MicroLogix controller and to the Channel '0' port of an SLC 5/03, or 5/04, or 5/05 controller using DH-485 protocol, and provides a dedicated connection for high priority data. They can also connect to a DH-485 network using the AIC+ module. Application files are easily downloaded or uploaded using PanelBuilder32 over the DH-485 network, via an SLC DH+ or Ethernet ‘Pass Through’ connection, directly via the on-board RS-232 printer port (select terminals) or the standard RS-232/DH-485 port (terminal disconnection required), or with a PC memory card.
**DF1 Communications Option**

DF1 is a proprietary Allen-Bradley master/slave protocol used to transport data over a serial data communications RS-232, RS-422, and RS-485 interface. DF1 is used for applications requiring messaging to and from Allen-Bradley controllers and other equipment. PanelView DF1 terminals communicate with a single SLC, PLC-5, or MicroLogix controller over a point-to-point DF1 link or DF1 network (modem) connection using full duplex communication for high performance peer-to-peer communications. Application files are easily downloaded or uploaded using PanelBuilder32 via an SLC DH+ or “Ethernet® Pass-Through” connection, directly via the on-board RS-232 printer port (select terminals) or the standard RS-232/DF1 port (terminal disconnect required), or with a PC memory card.

![DF1 Protocol](image)

PanelView 300
RS-232 (DF1) Port

SLC 5/04 Controller

PanelView 600
RS-232 (DF1) Port

Modem
Optical Isolator

SLC 5/03, 5/04, 5/05 Controller

**PROFIBUS Communications Option**

Profibus DP is a non-Rockwell Automation network that uses the polling principle for communication. It is a remote I/O protocol consisting of a DP Master(s) and DP slave(s). PanelView PROFIBUS terminals act as slaves on a PROFIBUS DP network. A DP Master acts as a requester of data from DP slaves. PanelView terminals and other DP slaves respond to the data requests, implementing a defined set of functions. Application files are easily downloaded or uploaded directly using PanelBuilder32 via the on-board RS-232 printer port or using a PC memory card.

![PROFIBUS Diagram](image)
Flexible Communication Options

Modbus Communications Option
Modbus is a non-Rockwell Automation control architecture utilizing a half-duplex, master–slave communications protocol. PanelView Modbus terminals act as a master on the network, communicating with a maximum of 255 slave devices. They communicate with other devices over an RS-232 (point-to-point) or RS-485/RS-422 (multi-drop) serial link. PanelView Modbus terminals can also connect to the Modbus Plus network via a bridge multiplexer (BM85) or RF modem.

Application files are easily downloaded or uploaded directly using PanelBuilder32 via the on-board RS-232 printer port or using a PC memory card.
PanelView Standard Network Connections

Because PanelView Standard terminals offer such flexible communication options, you can optimize your operator interface needs to your control or process architecture. Or, as your control system needs change, so can your operator interface system. These network connection options encompass simple point-to-point RS-232 and the sophisticated and high speed ControlNet protocols.

Along with these flexible network connections for runtime operation, you have multiple options for uploading and downloading application files with PanelBuilder32 — direct, over the network, or via a ‘Pass Through’ or ‘Gateway’ connection.

### PanelView Standard Network Connections

#### Standard Network Connections — Runtime Operation

<table>
<thead>
<tr>
<th>Network Connection</th>
<th>MicroLogix</th>
<th>SLC-500, 5/01, 5/02</th>
<th>5/03</th>
<th>5/04</th>
<th>5/05</th>
<th>PLC-5</th>
<th>ControlLogix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote I/O</td>
<td>n/a</td>
<td>5/02</td>
<td>5/02 with 1747-SN</td>
<td>with 1747-SN</td>
<td>with 1747-SN</td>
<td>yes</td>
<td>with 1756-DHRIO***</td>
</tr>
<tr>
<td>DH+</td>
<td>with AIC+</td>
<td>n/a</td>
<td>Ch. 0</td>
<td>Ch. 0</td>
<td>Ch. 0</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>DF1</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>DH-485 (RS485 physical connection)</td>
<td>with AIC+</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>DH-485 (RS232 physical connection)</td>
<td>with AIC+</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>DeviceNet</td>
<td>with 1761-NET ON</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>PLC-5C with 1756-CN8***</td>
</tr>
</tbody>
</table>

* For isolation purposes if not on the same power supply.
** Legacy mode. Example: address = N7:0
*** Symbolic (CIP) addressing. Example: address = Tank level

### PanelView Application File Upload/Download

#### Direct and Network Connections

<table>
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<th>PanelView Type</th>
<th>Direct Connection PC (with PanelBuilder32) to PanelView</th>
<th>Network Connection PC (with PanelBuilder32) over Network</th>
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<tr>
<td>DeviceNet</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>Yes – via PV DeviceNet port</td>
</tr>
<tr>
<td>ControlNet</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>Yes – via PV ControlNet port</td>
</tr>
<tr>
<td>Data Highway Plus</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>Yes – via PV DH+ port</td>
</tr>
<tr>
<td>Remote I/O</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>N/A – PC cannot connect to RI/O network</td>
</tr>
<tr>
<td>DH-485 (RS-485 port)</td>
<td>1747-PIC* or AIC+ module</td>
<td>Yes – via PV DH-485 port</td>
</tr>
<tr>
<td>DH-485 (RS-232 port)</td>
<td>2711-NC13 (via RS-232 port) or 2711-NC13 (via RS-232 printer port – select terminals only)</td>
<td>Yes – via PV RS-232 (DH-485) port</td>
</tr>
<tr>
<td>DF1</td>
<td>2711-NC13 (via RS-232 port) or 2711-NC13 (via RS-232 printer port – select terminals only)</td>
<td>N/A — use a Pass-Through connection</td>
</tr>
<tr>
<td>Profibus</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>N/A</td>
</tr>
<tr>
<td>Modbus</td>
<td>2711-NC13 (via RS-232 printer port)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* When connecting a personal computer to a PanelView terminal, using a PC without a controller connected, you need a power supply (1747-NP1)

#### PanelView Application File Upload/Download

#### Pass-Through & Gateway Connections

<table>
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<th>PC Network (PC to Controller)</th>
<th>Controller*</th>
<th>PanelView Network (Controller to PanelView)</th>
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<tbody>
<tr>
<td>Ethernet</td>
<td>ControlLogix/Gateway PLC-5 SLC 5/05</td>
<td>ControlNet, DeviceNet, RI/O</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DeviceNet, RI/O, DeviceNet, RI/O, DH-485, DF1</td>
</tr>
<tr>
<td>ControlNet</td>
<td>ControlLogix/Gateway PLC-5</td>
<td>DeviceNet, RI/O, DeviceNet, RI/O, DH-485, DF1</td>
</tr>
<tr>
<td>DH+</td>
<td>PLC-5 SLC 5/04</td>
<td>DeviceNet, RI/O, DeviceNet, RI/O, DH-485, DF1</td>
</tr>
<tr>
<td>DH-485</td>
<td>SLC 5/03, 5/04, 5/05 SLC 5/03, 5/05 SLC 5/04</td>
<td>DeviceNet, RI/O, DH+</td>
</tr>
<tr>
<td>DF1</td>
<td>ControlLogix/Gateway SLC 5/03, 5/04, 5/05 SLC 5/04</td>
<td>ControlNet, DeviceNet, DeviceNet, RI/O, DH+</td>
</tr>
</tbody>
</table>

* The controller must support PC network as well as PanelView network. Consult controller manual for details
Advanced Alarming Functionality

The PanelView Standard terminals feature a suite of advanced alarm handling capabilities. Terminals can record and display important data on triggered alarms, while alarm banners alert operators and maintenance personnel to slow or fault conditions. These advanced alarm handling capabilities can be configured specifically for your application needs.

Alarm Banner

Appearing on the active screen when an alarm is triggered, Alarm Banners allow operators to immediately respond to an urgent situation. The banner, configured for any size or placement, contains a message describing the alarm condition, and optional alarm buttons allow the operator to clear the alarm banner, acknowledge the alarm, or print the alarm.

Alarm Listing

PanelView Standard terminals support an Alarm List queue to store information on triggered alarms. An alarm list provides information on triggered alarms based on the condition of the alarm being active, inactive or both. The data that displays in the Alarm List is configured using the PanelBuilder32 Software.

Capable of being used multiple times in an application, alarm lists can appear as a full screen object or as part of a screen. In fact, an alarm list can even be part of the Alarm Banner. The Alarm List stores a maximum of 100 alarms. The number of alarms stored in the list is configured using the PanelBuilder32 software.

Alarm List can be configured to contain the following data:

- Alarm time and date stamp
- Acknowledge indicator—shows if the alarm has been acknowledged
- Acknowledge time and date
- Alarm trigger value—provides critical information about equipment/process status at the time of the alarm
- Alarm text—conveys user-defined information about the alarm situation

User-defined screens combining alarm buttons with an alarm list object offer the advantage of being able to acknowledge, clear and print alarms directly from an application’s Alarm list screen. Making use of the Alarms Parameters feature, operators can remotely acknowledge or clear alarms from any PanelView terminal providing increased user flexibility.
Universal Language Support

Universal Language Support (ULS) is available to offer global customers the advantage of creating applications in over 46 languages. PanelBuilder32 software supports fonts for creating applications in languages or character sets supported by Windows.

For languages that use double-byte character sets (DBCS) such as Asian languages, your computer must run either a version of Windows, in that language, or an Input Method Editor (IME) supporting the selected language. The IME is a Utility/program to enter characters that cannot be entered with a standard English keyboard.

An ATA PC memory card containing the fonts is held in the card slot of the PanelView terminal while the application is running. The terminal uses these fonts to display characters for the language on the screen.

ATA PC Memory Card

ATA PC memory cards are plug-and-play (with Windows 95 or 98) Flash memory storage devices. These memory cards typically have over 4 Mbytes of storage and can be used to transfer application files, store special ASCII font files and ULS font files, and update PanelView terminal firmware.

These ATA PC memory cards fit in the modem slot of your laptop. They appear as another floppy or hard drive when viewed with Windows Explorer. PanelView application, firmware, and font files can be dragged on to the card using Windows Explorer or you can save directly to the card from PanelBuilder32. Files can be deleted individually through Windows Explorer.

PanelView Standard firmware as well as updated or existing application files can be transferred to other PanelView Standard operator terminals conveniently on the plant floor. This capability eliminates traditional downloading or uploading of programs. OEMs can send application file updates and firmware to customers on the same card to guarantee compatibility. Plant engineering can just hand a card to maintenance without requiring a computer, software, or a cable to download the file.
Screen Security for PanelView Standard Terminals
PanelView Standard terminals offer you the ability to secure application screens to qualified users. Use up to 16 passwords per application to secure individual screens, allow access to configuration mode, and allow entry from screen saver or idle mode.

There are three screen security modes:

- **Screen Mode** – prompts user for a password when entering a secured screen from an unsecured screen or a screen the user does not have access to. Password is remembered when moving between secured screens.
- **Login Mode** – uses a Login button on a screen to enter a password. Remembers the password even if on unsecured screens. Will not prompt user for a password.
- **Auto Login Mode** – prompts users for a password when entering a screen that the current operator does not have access to.

PanelBuilder32 for Quick and Easy Screen Configuration
PanelBuilder32 software supports the entire family of PanelView standard terminals, allowing easy conversion and reuse of existing applications. The graphical interface of Microsoft Windows simplifies application design and reduces development costs. Screen configuration is easy using tools such as symbols, objects, graphics and imported bitmap images. Use cut, copy, paste, and tag import/export capabilities in and between various PanelView applications for additional time-saving advantages. In addition, multiple applications can be open at the same time.
(Multi-Layer) Device Configuration: Application File Upload/Download

When processes change, PanelView Standard applications can also change. In the diagram below, PanelView Standard application files can be altered and downloaded using a ControlLogix ‘Gateway’ architecture.

Application files are modified in PanelBuilder32 and selected for download. PanelBuilder validates the changes, compiles, and compresses the files. Then using RSLogix, simply select the target destination and send. Application files are sent via the network through a ControlLogix gateway to the target destination. The PanelView application can then be employed without physically going to the terminal location.
## Specifications

<table>
<thead>
<tr>
<th>PanelView 300</th>
<th>PanelView 550</th>
<th>PanelView 550T</th>
<th>PanelView 600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Monochrome transmissive LCD with integral LED backlight</td>
<td>Monochrome Liquid Crystal Display (LCD)</td>
<td>Monochrome Liquid Crystal Display (LCD)</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>2.87&quot; x 1.57&quot; (73mm x 42mm)</td>
<td>4.75&quot; x 2.38&quot; (120mm x 60mm)</td>
<td>4.75&quot; x 2.38&quot; (120x60mm)</td>
</tr>
<tr>
<td><strong>Replaceable Backlight</strong></td>
<td>N/A – 100,000 hour LED backlight life</td>
<td>Field replaceable backlight</td>
<td></td>
</tr>
<tr>
<td><strong>Operator Input</strong></td>
<td>Keypad</td>
<td>Keypad or Combination Keypad and touchscreen</td>
<td>Touchscreen Only</td>
</tr>
<tr>
<td><strong>Touch Cells</strong></td>
<td>N/A</td>
<td>128</td>
<td>128</td>
</tr>
<tr>
<td><strong>Function Keys</strong></td>
<td>8 (F1 - F8)</td>
<td>10 (F1 - F10)</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Real time Clock</strong></td>
<td>ZBattery-backed clock timestamps critical data</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Application Memory</strong></td>
<td>240K Flash (application screens)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>PanelView 300</th>
<th>PanelView 550</th>
<th>PanelView 550T</th>
<th>PanelView 600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RS-232 Printer Port</strong></td>
<td></td>
<td>1200, 2400, 9600, 15200 baud rate</td>
<td></td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>AC: N/A DC: 10 Watts max. (0.42A@24 Vdc)</td>
<td>AC: 45 VA max DC: 18 Watts max. (0.75A@24 Vdc)</td>
<td>AC: N/A DC: 18 Watts max. (0.75A@24 Vdc)</td>
</tr>
<tr>
<td><strong>Programming</strong></td>
<td>PanelBuilder32 (Windows based)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>PanelView 300</th>
<th>PanelView 550</th>
<th>PanelView 550T</th>
<th>PanelView 600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 to 55°C (32 to 131°F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-25 to 70°C (-13 to 158°F)</td>
<td>-20 to 70°C (-4 to 158°F)</td>
<td>-20 to 70°C (-4 to 158°F)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>5 to 95%, noncondensing @ 0 to 30°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ratings</strong></td>
<td>NEMA Type 12, 13, 4x (indoor only), IP54, IP65</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>UL, CSA approved; Class I, Div 2 Groups A, B, C, D certified; CE marked, Demko pending</td>
<td>UL, CSA approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked</td>
<td>UL, CSA approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>PanelView 300</th>
<th>PanelView 550</th>
<th>PanelView 550T</th>
<th>PanelView 600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Keypad</strong></td>
<td>1.484 lbs (673 g)</td>
<td>2.7 lbs (1.2 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Touch Screen</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>2.1 lbs (0.93kg)</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>PanelView 300</th>
<th>PanelView 550</th>
<th>PanelView 550T</th>
<th>PanelView 600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Keypad</strong></td>
<td>7.76&quot; (h) x 5.51&quot; (w) x 3.21&quot; (d) (197mm x 140mm x 82mm)</td>
<td>6.6&quot; (h) x 10.5&quot; (w) x 4.2&quot; (d) (167.6mm x 266.7mm x 106.7mm)</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Touch Screen</strong></td>
<td>N/A</td>
<td>6.5&quot;(h) x 10.5&quot;(w) x 4.2&quot;(d) (167.6mm x 266.7mm x 106.7mm)</td>
<td>5.92&quot; (h) x 7.21&quot; (w) x 3.2&quot; (d) (150mm x 183mm x 81mm)</td>
</tr>
</tbody>
</table>
## Selector Guide

### PanelView 600T vs PanelView 900 vs PanelView 1000 vs PanelView 1400 vs PanelView 1000 Color vs PanelView 1000 Gray Scale

<table>
<thead>
<tr>
<th>Model</th>
<th>Display Type</th>
<th>Screen Size (in) (mm)</th>
<th>Resolution</th>
<th>Baud Rate</th>
<th>Battery</th>
<th>Dimensions (h x w x d) (mm)</th>
<th>Weight (lbs)</th>
<th><em>optional details</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>PanelView 600T</td>
<td>Color Active Matrix Thin Film Transistor (TFT)</td>
<td>8.3&quot; x 6.2&quot; (211mm x 158mm)</td>
<td>384</td>
<td>1200, 2400, 9600, 19200</td>
<td>N/A – emissive display</td>
<td>11&quot; (h) x 17&quot; (w) x 5&quot; (d)</td>
<td>7 lbs (3.18 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>PanelView 900</td>
<td>Color Active Matrix Thin Film Transistor (TFT)</td>
<td>8.3&quot; x 6.2&quot; (211mm x 158mm)</td>
<td>384</td>
<td>1200, 2400, 9600, 19200</td>
<td>N/A – emissive display</td>
<td>11&quot; (h) x 17&quot; (w) x 5&quot; (d)</td>
<td>7.2 lbs (3.3 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>PanelView 1000 Color</td>
<td>Electroluminescent (EL)</td>
<td>8.3&quot; x 6.2&quot; (211mm x 158mm)</td>
<td>384</td>
<td>1200, 2400, 9600, 19200</td>
<td>N/A – emissive display</td>
<td>11&quot; (h) x 17&quot; (w) x 5&quot; (d)</td>
<td>7.2 lbs (3.3 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>PanelView 1000 Gray Scale</td>
<td>Color CRT (SVGA)</td>
<td>8.3&quot; x 6.2&quot; (211mm x 158mm)</td>
<td>384</td>
<td>1200, 2400, 9600, 19200</td>
<td>N/A – emissive display</td>
<td>11&quot; (h) x 17&quot; (w) x 5&quot; (d)</td>
<td>7.2 lbs (3.3 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>PanelView 1400</td>
<td>Color CRT (SVGA)</td>
<td>8.3&quot; x 6.2&quot; (211mm x 158mm)</td>
<td>384</td>
<td>1200, 2400, 9600, 19200</td>
<td>N/A – emissive display</td>
<td>11&quot; (h) x 17&quot; (w) x 5&quot; (d)</td>
<td>7.2 lbs (3.3 kg)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Technical Specifications

- **Power Supply:**
  - AC: 85-264 Vac
  - DC: 18-32 Vdc

- **Operating Temperature:**
  - -25 to 70°C (-13 to 158°F)

- **Humidity:**
  - 5 to 95%, non-condensing @ 0 to 30°C

- **Certifications:**
  - UL, CSA approved; Class 1, Div 2; Groups A, B, C, D certified; CE marked

- **Weight:**
  - 7 lbs (3.18 kg) to 44.75 lbs (20.3 kg)

- **Dimensions:**
  - 11" (h) x 17" (w) x 5" (d) (282mm x 423mm x 112mm)

- **Backlight Options:**
  - Field replaceable backlight

- **Battery:**
  - Battery-backed clock timestamps critical data

### Additional Features

- **Keypad or Touchscreen:**
  - 16 (F1 - F16)

- **USB Connectivity:**
  - DeviceNet, ControlNet, DH+, Remote I/O, DH-485, RS-232, (DH-485 protocol), DF1, Profibus, Modbus

- **Keypad or Touchscreen Options:**
  - Touchscreen Only
  - Keypad or Touchscreen

- **Flash Memory:**
  - 1Mg Flash (application screens + text & bitmaps)

- **PanelBuilder32:** (Windows based)

- **Weight with Options:**
  - 2.3 lbs. (1 kg) to 43.2 lbs. (19.6 kg)
### Mounting Dimensions

#### PanelView 300

**PanelView 300**

- **Length**: 140 mm (5.53 in.)
- **Height**: 197 mm (7.76 in.)
- **Depth**: 82 mm (3.21 in.)
- **Height (bottom)**: 69 mm (2.73 in.)

#### PanelView 550

**PanelView 550**

- **Length**: 266 mm (10.47 in.)
- **Height**: 167 mm (6.57 in.)
- **Depth**: 86 mm (3.39 in.)
- **Height (bottom)**: 106 mm (4.17 in.)

**PV550 Keypad, Keypad & Touch Screen Terminals**

- **Length**: 266 mm (10.47 in.)
- **Height**: 167 mm (6.57 in.)
- **Depth**: 86 mm (3.39 in.)
- **Height (bottom)**: 106 mm (4.17 in.)

**PV550 Touch Screen Terminals**

- **Length**: 185 mm (7.28 in.)
- **Height**: 152 mm (6.00 in.)
- **Depth**: 64 mm (2.54 in.)
- **Height (bottom)**: 82 mm (3.20 in.)
Mounting Dimensions

PanelView 1000

PV1000 Touch Terminal Mounting Dimensions

PV1000 Keypad Terminal Mounting Dimensions

PanelView 1400

PV1400 Touch Terminal Mounting Dimensions

PV1400 Keypad Terminal Mounting Dimensions
PanelView 300

PanelView 550

PanelView 600

PV550 Keypad, Keypad & Touch Screen Terminals

PV500 Keypad, Keypad & Touch Screen Terminals

PV500 Touch Screen Terminals
Cutout Dimensions

PanelView 900/1000

PV900 Panel Cutout Dimensions

<table>
<thead>
<tr>
<th>PV900 Keypad Terminals</th>
<th>PV900 Touch Screen Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>224 mm (8.8 in)</td>
<td>Recommended Panel Cutout Dimensions</td>
</tr>
<tr>
<td></td>
<td>375 mm (14.75 in)</td>
</tr>
<tr>
<td></td>
<td>305 mm (12.00 in)</td>
</tr>
<tr>
<td>224 mm (8.8 in)</td>
<td>Recommended Panel Cutout Dimensions</td>
</tr>
</tbody>
</table>

PV1000 Panel Cutout Dimensions

<table>
<thead>
<tr>
<th>PV1000 Keypad Terminals</th>
<th>PV1000 Touch Screen Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>257 mm (10.11 in)</td>
<td>Recommended Panel Cutout Dimensions</td>
</tr>
<tr>
<td></td>
<td>300 mm (15.35 in)</td>
</tr>
<tr>
<td></td>
<td>338 mm (13.29 in)</td>
</tr>
<tr>
<td>257 mm (10.11 in)</td>
<td>Recommended Panel Cutout Dimensions</td>
</tr>
</tbody>
</table>

PanelView 1400

PV1400 Keypad Terminals

Ignore stud holes if mounting terminal using panel clips.

| 170 mm (6.70 in)       |
| 419 mm (16.50 in)      |
| 110 mm (4.35 in)       |
| 221 mm (8.70 in)       |
| 140 mm (5.50 in)       |
| 38 mm (1.50 in)        |
| 305 mm (12.0 in)       |
| 233 mm (9.16 in)       |

PV1400 Touchscreen Terminals

Ignore stud holes if mounting terminal using panel clips.

| 169 mm (6.65 in)       |
| 301 mm (15.40 in)      |
| 127 mm (5.0 in)        |
| 5.56 mm (.219 in) Typical 18 Holes |
| 140 mm (5.50 in)       |
| 305 mm (12.0 in)       |
| 212 mm (8.35 in)       |

PV1400 Touchscreen Terminals

Ignore stud holes if mounting terminal using panel clips.

| 169 mm (6.65 in)       |
| 301 mm (15.40 in)      |
| 127 mm (5.0 in)        |
| 5.56 mm (.219 in) Typical 18 Holes |
| 140 mm (5.50 in)       |
| 305 mm (12.0 in)       |
| 212 mm (8.35 in)       |
### PanelView 300 Monochrome Terminals
- PanelView 300 Monochrome, DH-485 Communication Ports  
  Cat. No. Key: 2711-K3A2L1
- PanelView 300 Monochrome, RS-232 (DH-485) Communication Port  
  Cat. No. Key: 2711-K3A5L1
- PanelView 300 Monochrome, DeviceNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K3A10L1
- PanelView 300 Monochrome, DF1 Communication  
  Cat. No. Key: 2711-K3A17L1

### PanelView 550 Monochrome Terminals
- PanelView 550 Monochrome, DH-485 Communication Ports  
  Cat. No. Key: 2711-K5A2
- PanelView 550 Monochrome, DH-485 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A3
- PanelView 550 Monochrome, RS-232 (DH-485) Communication Port  
  Cat. No. Key: 2711-K5A5
  Cat. No. Key: 2711-K5A9
- PanelView 550 Monochrome, Remote I/O Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A1
- PanelView 550 Monochrome, DH+ Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A8
- PanelView 550 Monochrome, DeviceNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A10
- PanelView 550 Monochrome, Profibus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A12
- PanelView 550 Monochrome, Modbus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A14
- PanelView 550 Monochrome, ControlNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A15
- PanelView 550 Monochrome, DF1 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K5A16

### PanelView 600 Color Terminals
- PanelView 600 Color, DH-485 Communication Ports  
  Cat. No. Key: 2711-K6C2
- PanelView 600 Color, DH-485 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C3
- PanelView 600 Color, RS-232 (DH-485) Communication Port  
  Cat. No. Key: 2711-K6C5
- PanelView 600 Color, RS-232 (DH-485) Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C9
- PanelView 600 Color, Remote I/O Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C1
- PanelView 600 Color, DH+ Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C8
- PanelView 600 Color, DeviceNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C10
- PanelView 600 Color, Profibus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C12
- PanelView 600 Color, Modbus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C14
- PanelView 600 Color, ControlNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C15
- PanelView 600 Color, DF1 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K6C16

### PanelView 900 Color Terminals
- PanelView 900 Color, DH-485 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C3
  Cat. No. Key: 2711-K9C9
- PanelView 900 Color, Remote I/O Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C1
- PanelView 900 Color, DH+ Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C8
- PanelView 900 Color, DeviceNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C10
- PanelView 900 Color, Profibus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C12
- PanelView 900 Color, Modbus Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C14
- PanelView 900 Color, ControlNet Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C15
- PanelView 900 Color, DF1 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K9C16

### PanelView 1000 Grayscale Terminals
- PanelView 1000 Grayscale, DH-485 Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G3
- PanelView 1000 Grayscale, RS-232 (DH-485) Communication & RS-232 Port  
  Cat. No. Key: 2711-K10G9
- PanelView 1000 Grayscale, Remote I/O Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G1
- PanelView 1000 Grayscale, DH+ Communication & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G8
- PanelView 1000 Grayscale, DeviceNet Communications & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G10
- PanelView 1000 Grayscale, Profibus Communications & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G12
- PanelView 1000 Grayscale, Modbus Communications & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G14
- PanelView 1000 Grayscale, ControlNet Communications & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G15
- PanelView 1000 Grayscale, DF1 Communications & RS-232 Printer Port  
  Cat. No. Key: 2711-K10G16
### PanelView 1000 Color Terminals

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch ³</td>
<td>2711-K10C3</td>
<td>2711-T10C3</td>
</tr>
<tr>
<td>PanelView 1000 Color, Remote I/O Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C1</td>
<td>2711-T10C1</td>
</tr>
<tr>
<td>PanelView 1000 Color, DH+ Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C8</td>
<td>2711-T10C8</td>
</tr>
<tr>
<td>PanelView 1000 Color, DeviceNet Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C10</td>
<td>2711-T10C10</td>
</tr>
<tr>
<td>PanelView 1000 Color, Remote I/O Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C12</td>
<td>2711-T10C12</td>
</tr>
<tr>
<td>PanelView 1000 Color, Modbus Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C14</td>
<td>2711-T10C14</td>
</tr>
<tr>
<td>PanelView 1000 Color, ControlNet Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C15</td>
<td>2711-T10C15</td>
</tr>
<tr>
<td>PanelView 1000 Color, DF1 Communication &amp; RS-232 Printer Port</td>
<td>2711-K10C16</td>
<td>2711-T10C16</td>
</tr>
</tbody>
</table>

### PanelView 1400 Color Terminals

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch ³</td>
<td>2711-K14C3</td>
<td>2711-T14C3</td>
</tr>
<tr>
<td>PanelView 1400 Color, Remote I/O Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C1</td>
<td>2711-T14C1</td>
</tr>
<tr>
<td>PanelView 1400 Color, DH+ Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C8</td>
<td>2711-T14C8</td>
</tr>
<tr>
<td>PanelView 1400 Color, DeviceNet Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C10</td>
<td>2711-T14C10</td>
</tr>
<tr>
<td>PanelView 1400 Color, Profibus Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C12</td>
<td>2711-T14C12</td>
</tr>
<tr>
<td>PanelView 1400 Color, Modbus Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C14</td>
<td>2711-T14C14</td>
</tr>
<tr>
<td>PanelView 1400 Color, ControlNet Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C15</td>
<td>2711-T14C15</td>
</tr>
<tr>
<td>PanelView 1400 Color, DF1 Communication &amp; RS-232 Printer Port</td>
<td>2711-K14C16</td>
<td>2711-T14C16</td>
</tr>
</tbody>
</table>

### Software

<table>
<thead>
<tr>
<th>PanelBuilder32 Configuration Software for the PanelView Operator Terminals</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2711-ND3</td>
</tr>
</tbody>
</table>

1. Add L1 to the Catalog Number to order a PanelView 550, 600, 900 or 1000 terminal with DC power instead of AC power (for example, 2711-K10C3L1). PanelView 550 Touch, PanelView 600 Touch, and PanelView 300 terminals are 24Vdc only.
2. Add L2 to the Catalog Number of the PanelView 550/600 Keypad or Keypad & Touch terminal to order a stainless steel terminal with AC power (for example, 2711-K5A5L2)
3. Add L3 to the Catalog Number the PanelView 550 Keypad or Keypad & Touch terminal to order a stainless steel terminal with DC power (for example, 2711-K5A10L3)
4. Requires Interface Converter (Catalog No. 1747-PIC) and Cable (Catalog No. 1747-C10 or -C20) for application transfers using the PanelBuilder32 Software or the File Transfer Utility. Also see Power Supply (Catalog No. 1747-NP1).

### Accessories and Replacement Parts

#### Memory Cards

<table>
<thead>
<tr>
<th>Memory Cards (used for application downloads, external fonts, firmware upgrades)</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>256 Kbyte Flash Memory Card ²</td>
<td>2711-NM11</td>
</tr>
<tr>
<td>1M PC Flash Memory Card ²</td>
<td>2711-NM12</td>
</tr>
<tr>
<td>2M PC Flash Memory Card ²</td>
<td>2711-NM13</td>
</tr>
<tr>
<td>8M Flash ATA Memory Card ¹</td>
<td>2711-NM28</td>
</tr>
<tr>
<td>16M Flash ATA Memory Card ¹</td>
<td>2711-NM216</td>
</tr>
<tr>
<td>Memory Card Retainer for PanelView 550, 600, 900, 1000</td>
<td>2711-NMCC</td>
</tr>
<tr>
<td>Memory Card Retainer for PanelView 550 Touch Only</td>
<td>2711-NMCD</td>
</tr>
<tr>
<td>Memory Card Retainer for PanelView 300/600 Touch Only</td>
<td>2711-NMCE</td>
</tr>
</tbody>
</table>

1. Use on any terminal with 3.xx firmware or later
2. Contact factory for availability
## Accessories and Replacement Parts

### Function Key Legend Kits
- Function Key Legend Strips for the PanelView 300 Terminal ²
  - Cat. No. 2711-NF9
- Function Key Legend Strips for the PanelView 550 Terminal
  - Cat. No. 2711-NF1
- Function Key Legend Strips for the PanelView 600 Terminal
  - Cat. No. 2711-NF4
- Function Key Legend Strip for the PanelView 900 Color Terminal
  - Cat. No. 2711-NF2C
- Function Key Legend Strip for the PanelView 1000 Grayscale and Color Terminals
  - Cat. No. 2711-NF6
- Function Key Legend Strip for the PanelView 1400 Color Terminal
  - Cat. No. 2711-NF5

### Mounting Hardware
- Replacement Mounting Clips for the PanelView 600/900/1000 Terminals
  - Cat. No. 2711-NP2
- Replacement Mounting Clips for the PanelView 1400 Terminal
  - Cat. No. 2711-NP1
- Mounting Studs for the PanelView 1400 Terminal
  - Cat. No. 2711-NP3

### Real-Time Clock Replacement
- Real-Time Clock for PanelView 550 Terminals (Series A through Series D)
  - Cat. No. 2711-NB2
- Real-Time Clock for PanelView 550 (Series E or later), 600, 900, 1000, 1400 Terminals
  - Cat. No. 2711-NB3
- Real-Time Clock for PV300 and PV550/PV600 Touch Screen Only Terminals
  - Cat. No. 2711-NB4

### Backlights
- Replacement Backlight Lamp for all PanelView 550 Terminals
  - Cat. No. 2711-NL1
- Replacement Backlight Lamp for PanelView 600 Terminal
  - Cat. No. 2711-NL3
- Replacement Backlight Lamp for PanelView 900 Color Terminal
  - Cat. No. 2711-NL2
- Replacement Backlight Lamp for PanelView 1000 Color Terminal Series A
  - Cat. No. 2711-NL4
- Replacement Backlight Lamp for PanelView 1000 Color Terminal Series B or Later ²
  - Cat. No. 2711-NL6

### Antiglare Overlays
- Antiglare Overlay for the PanelView 300 Terminal (Qty 3) ²
  - Cat. No. 2711-NV8
- Antiglare Overlay for the PanelView 550 Keypad or Keypad & Touch Terminal (Qty 3)
  - Cat. No. 2711-NV4
- Antiglare Overlay for the PanelView 550/600 Touch Screen Only Terminals (Qty 3)
  - Cat. No. 2711-NV4T
- Antiglare Overlay for the PanelView 600 Terminal (Qty 3)
  - Cat. No. 2711-NV5
- Antiglare Overlay for the PanelView 900 Keypad Terminal (Qty 3)
  - Cat. No. 2711-NV3K
- Antiglare Overlay for the PanelView 900 Touch Screen Terminal (Qty 3)
  - Cat. No. 2711-NV3T
- Antiglare Overlay for the PanelView 1000 Keypad Terminal (Qty 3)
  - Cat. No. 2711-NV6K
- Antiglare Overlay for the PanelView 1000 Touch Screen Terminal (Qty 3)
  - Cat. No. 2711-NV6T
- Antiglare Overlay for the PanelView 1400 Keypad Terminal (Qty 3)
  - Cat. No. 2711-NV7K
- Antiglare Overlay for the PanelView 1400 Touch Screen Terminal (Qty 3)
  - Cat. No. 2711-NV7T

### Power Supply
- Wallmount power supply provides power to 1747-PIC Converter when SLC or network is not connected. 105 to 132V ac input. Separate operating/programming cable is required.
  - Cat. No. 1747-NP1

### Cables
- Personal Computer Interface Converter converts RS-232 signals to/from DH-485 signals.
  - Cat. No. 1747-PIC
- 6 foot (1.83 meter) DH-485 Operating/Programming Cable (for 2711-xxA2,-xxA3,-xxC3)
  - Cat. No. 1747-C10
- 1 foot (0.30 meter) DH-485 Operating/Programming Cable (for 2711-xxA2,-xxA3,-xxC3)
  - Cat. No. 1747-C11
- 20 foot (6.1 meter) DH-485 Operating/Programming Cable (for 2711-xxA2,-xxA3,-xxC3)
  - Cat. No. 1747-C20
- 16.4 foot (5 meter) RS-232 Operating/Programming Cable (for 2711-xxA5,-xxA9,-xxC9)
  - Cat. No. 2711-NC13
- 32.7 foot (10 meter) RS-232 Operating/Programming Cable (for 2711-xxA5,-xxA9,-xxC9)
  - Cat. No. 2711-NC14
- 10 foot (3 meter) RS-232 Operating/Programming Cable (for 2711-xxA5,-xxA9,-xxC9)
  - Cat. No. 2706-NC13

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1 Cable also used on RS-232 port of 2711-xxA1,-xxA3,-xxA8,-xxA9,-xxA10,-xxC1,-xxC3,-xxC8,-xxC9,-xxC10 terminals for transferring applications and/or printing

2 Contact factory for availability