

## Legacy Panelview to Panelview Plus 7

April 28, 2020

Our presentation will begin at 10:00 am Central

# PanelView Plus 6 Discontinuation

PanelView Plus 6 terminals will now tentatively be discontinued on 9/30/21



4" Terminals  
(Includes Compact & Low Reflective)



6" Terminals  
(Includes Compact)



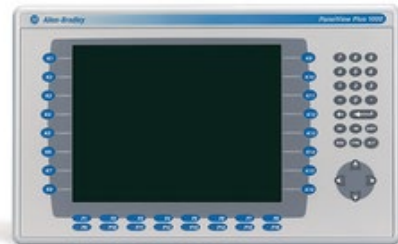
All Display Modules



All Logic Modules  
(Includes Marine & Conformal Coat)



7" Terminals  
(All configurations)



10" Terminals  
(All configurations including Compact)



12" Terminals  
(All configurations)



15" Terminals  
(All configurations)

# PanelView Plus 6 Discontinuation

PanelView Plus 6 terminals will now tentatively be discontinued on 9/30/21

Send Date

Addressee's Name

Title

Business Name

Street Address

City, State Zip/Postal Code

## Subject: PanelView Plus 6 Lifecycle Status Announcement Update

As of February 18, 2020, Rockwell Automation is delaying the discontinuation date for 7", 10", 12" and 15" PanelView™ Plus 6 terminals by one year. The new discontinue date for these PanelView Plus 6 terminals is 09/30/2021\*.

This one-year extension aligns with the current discontinuation date for logic modules and display modules as well as 4" and 6" terminals. The entire PanelView Plus 6 product line (excluding accessories) will be discontinued and no longer available for sale on 9/30/2021\*. Accessories not listed in this notice will continue to be sold well beyond the above-mentioned discontinuation dates.

PanelView Plus 6 products will continue to see incremental annual price increases as volumes decrease.

Products may sell out prior to the published discontinuation date. We recommend placing all last-time buy orders as far in advance of the discontinued date as possible by contacting your local Allen-Bradley distributor or Rockwell Automation sales engineer. Last time buy orders should be placed by 09/30/2020 to increase the likelihood of fulfillment. Orders placed after this date have a greater risk of going unfilled as parts become depleted.

Product stocking varies globally region-to-region and some regions may continue to have product available for sale up to one year after a product discontinuation date. To check product availability in your region after a published discontinuation date contact your local Allen-Bradley distributor or Rockwell Automation sales engineer.

Rockwell Automation plans to provide repair services and technical support for these products for as long as practical. If you are interested in using some of these services, please contact our technical support at <http://www.rockwellautomation.com/global/support/overview.page>. Note that most services are chargeable and may require a technical support contract.

World Headquarters  
1201 South Second St.  
Milwaukee, WI 53204

**Rockwell  
Automation**

June 24, 2019

Subject: PanelView™ Plus 7 HMI Longevity

Dear PanelView Plus 7 HMI User,

Rockwell Automation understands your company will be making a significant investment in Allen-Bradley PanelView Plus 7 products for current and future programs. Given that investment, we want to assure you that we will continue to support your investment, now and in the future, through our commitment to the PanelView Plus 7 platform.

**Our current plans are to support the PanelView Plus 7 HMI and FactoryTalk® View ME software platforms well into the next decade; at a minimum through the year 2025, likely longer.**

Protecting our customer's investment is a key reason we have an installed base far in excess of 1.5 million operator interface terminals and we will continue to invest in the PanelView Plus 7 platform. We have a strategic alliance with Microsoft and are developing future PanelView Plus 7 products to be based on the Windows IoT Core™ operating system, currently estimated to be released Q1 CY2021 for the PanelView Plus 7 Performance HMI. Along with this operating system update, we will be updating the PanelView Plus 7 Performance hardware.

It is our practice to support products for five years (or more) from the date they are removed from general sale, pending commercial provisions (e.g., availability of components). When it comes time to migrate legacy products to the next generation platform, be assured, Rockwell Automation will provide tools and services to help minimize the impact.

As you can see, Rockwell Automation is committed to the long term success of the PanelView Plus 7 platform. We will continue to support these products well into the future.

Sincerely,



Daniel S. Honneberry  
Business Manager, Visualization Hardware  
Rockwell Automation / Allen-Bradley



# PanelView Portfolio



**An evolution of graphic terminals since 1989**

# PanelView Portfolio



PanelView  
Classic



PanelView  
Standard



PanelView  
Plus 6

...

PanelView™ Plus 7 HMI extends the portfolio further

# PanelView Plus 7 Standard HMI

## Features & Benefits

### Machine Builder Focused

- OEM Optimized Design
  - Expanded Processing Power
  - Composite bezel
- Competitive Solution
  - More screen options
  - Greater resolution
  - Wide screen options
- Application Size Limits
  - 1 Controller
  - 100 Screens
  - ≤500 Alarms

### Standard

- 4.3"W, 5.7", 6.5", 9"W, 10.4", 12"W, 15"
- Low profile composite bezel
- Resistive touch screen
- Single or dual (DLR) Ethernet ports
- ARM processor
- 512 MB Flash Memory / 512 MB RAM
- Windows CE 6.0 standard features
- DC powered
- Removable Battery
- Targeted for simpler / smaller applications

# PanelView Plus 7 Performance HMI

For Demanding Industries

## Larger Applications

- Robust Design
- Expanded Processing Power
- Larger Applications
  - Examples:
    - ≤300 Screens
    - ≤3,000 Tags
    - ≤4000 Alarms
- Ideal for Variety of Industries
  - Process
  - Metals
  - Mining / Aggregate
  - Tire and Rubber

## Performance

- 6.5", 9"W, 10.4", 12"W, 19"
- Low profile painted aluminum bezel
- Resistive touch screen with keypad options
- Ethernet with embedded switch (DLR)
- X86 processor
- 512 MB Flash Memory / 512 MB RAM
- Windows CE 6.0 extended features
- DC and AC power options
- Targeted at larger / complex applications
- Conformal coat available for 9" and 12"

DC touch-only displays

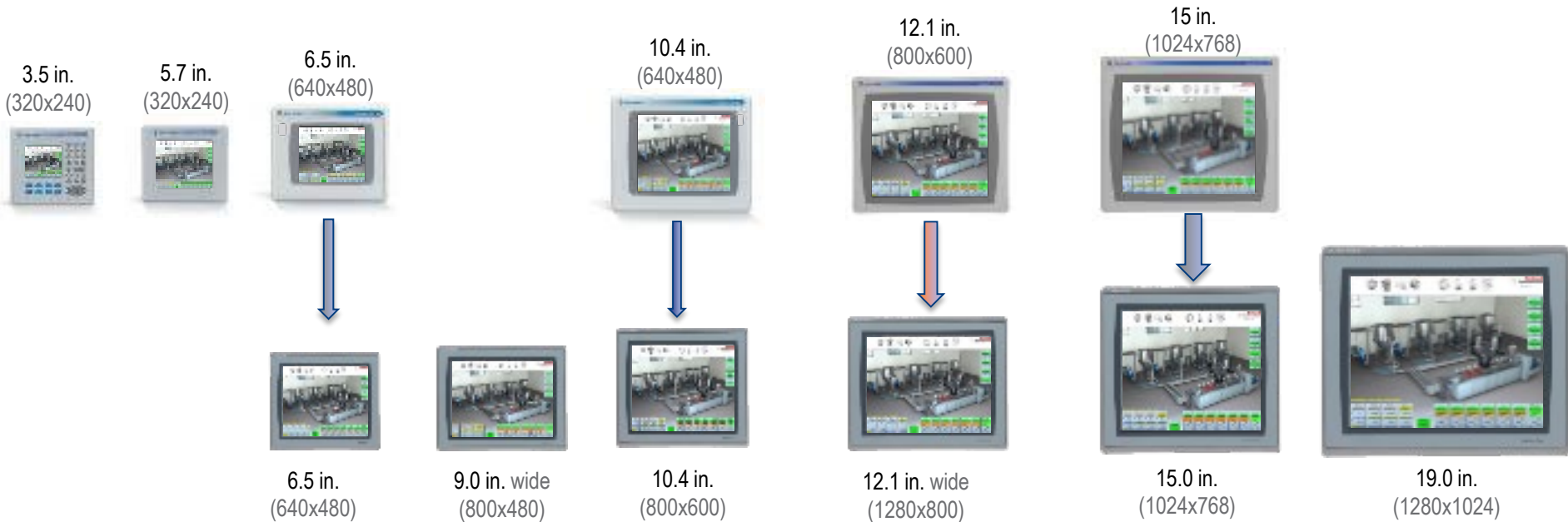
# PanelView Plus 7 Comparison of Features

Product Features	PanelView™ Plus 7 Standard model	PanelView™ Plus 7 Performance model
FactoryTalk® Machine Edition	Y	Y
ViewPoint	Y	Y
Memory RAM / Flash	512 MB / 512 MB	512 MB / 512 MB
PDF Viewer	Y	Y
Active X Controls (Email, Datastore Plus, Recipe)	Y	Y
Remote Terminal Control (Based on VNC)	Y	Y
FTP Server	Y	Y
MPEG Video playback	N	Y
Microsoft Office Viewers	N	Y
Microsoft Internet Explorer	N	Y
Remote Desktop Services	N	Y
Ethernet Connectivity	Y (Single port or DLR)	Y (DLR Only)
CPU	ARM 1 Ghz	x86 1.6 Ghz
Screen Sizes	4.3"-15"	6.5", 9"W, 10.4", 12"W, 19"
Application Sizes	1 Controller, 100 Screens, 500 Alarms	Larger Applications
Catalog numbers	2711P-xxxxx8S	2711P-xxxxx9P





# PanelView Plus 6 vs PanelView Plus 7 Performance HMI Display Sizes



**PanelView™ Plus 6 to PanelView™ Plus 7 adapter plates will be available for Performance lines only**

# PanelView Plus 7 Performance HMI

## Adapter Plates and Accessories

Catalog #	PanelView™ Plus 7 Performance Adapter Plate Description
2711P-RAAT7	PanelView Plus 700 touch terminal to PanelView Plus 7 6.5" display touch terminal
2711P-RAAK7	PanelView Plus 700 keypad/keypad touch or PanelView Standard 600 keypad/keypad touch To PanelView Plus 7 6.5" display keypad touch terminal
2711P-RAAT10	PanelView Plus 1000 touch/PanelView Standard 900 touch terminal To PanelView Plus 7 10.4" display touch terminal
2711P-RAAK10	PanelView Plus 1000 keypad/keypad touch or PanelView Standard 900 keypad/keypad touch To PanelView Plus 7 10.4" display keypad touch terminal
2711P-RAAT12	PanelView Plus 1250 touch/PanelView Standard 1000 touch terminal To PanelView Plus 7 12.1" display touch terminal
2711P-RAATK12	PanelView Plus 1250 keypad/keypad touch or PanelView Standard 1000 keypad/keypad touch To PanelView Plus 7 12.1" display touch terminal
2711P-RAAT15	PanelView Plus 1500 touch to PanelView Plus 7 15" display touch terminal
2711P-RAAK15	PanelView Plus 1500 keypad/keypad touch to PanelView Plus 7 15" display keypad touch terminal
2711P-RTMC	PanelView Plus 6 mounting clips for use with PanelView Plus 7 Performance stainless models

### Accessories

- Mounting Levers - 2711P-RMCP
- AC Terminal Blocks - 2711P-RTBAP
- Protective Overlays - 2711P-RGTxS (x is terminal size)

# PanelView Standard

Adapters and dimensions can be found in publication 2711P-AP002A-EN-P

Code conversion is also addressed in this publication.

Rockwell Services can perform the code conversion.

## PanelView Standard 550 Terminal Conversions

See the tables in this section for primary and secondary conversions for PanelView Standard 550 terminals.

### PanelView Standard 550 Terminal Primary Replacement Options

PanelView Standard Terminals					PanelView Plus 7 Terminals - Primary Replacement Options							
Model	Cat. No.	Panel Output Members		Display Resolution	Color	Cat. No.	Panel Output Members		Display Resolution	Color	Adapter Plate Cat. No.	Notes
		24	32				24	32				
	2711-ES41				Monochrome (D)							
	2711-ES41B1				Bezelless							
	2711-ES41B											
	2711-ES41B1											
	2711-ES41B4											
	2711-ES41B1											
	2711-ES41C1				ES-252							
	2711-ES41C1B1				ES-252 (HFI)							
	2711-ES41C1B											
	2711-ES41C1B1											
	2711-ES41C5				Convertible							
	2711-ES41C1B1				HFI-405							
	2711-ES41C1											
	2711-ES41C1B1											
	2711-ES41C1B											
	2711-ES41C1											
550	2711-ES26	144 (E,47)	240 (E,57)	256 x 256		2711P-1022005	128 (E,36)	128 (E,36)	640 x 480	One Ethernet port	550	PanelView Plus 7 Standard offers several benefits: Higher resolution Application benefits: • Max. screen depth: 25 • Max. math strings: 200 • Max. number of variables: 1 Communication - Ethernet Serial I/O ports are available. Operator input - only touch. Power input - only DC. Continued size - 14.
	2711-ES26B1				ES-262 (HFI-405)							
	2711-ES26B				HFI-							
	2711-ES26B1											
	2711-ES26B4											
	2711-ES26B1											
	2711-ES26B											
	2711-ES26C1				ES26C1/CP							
	2711-ES26C1B1				Bezelless							
	2711-ES26C1B											
	2711-ES26C1											
	2711-ES26C1B1											
	2711-ES26C1B											
	2711-ES26C1				ES-252							
	2711-ES26C1B1				ES-252 (HFI)							
	2711-ES26C1B											
	2711-ES26C1B											
	2711-ES26C1B1											
	2711-ES26C1B											

# Panelview Migration

## Communication Considerations

# Panelview Communications Adapters

## Anybus Communicator

Convert almost any RS-232/422/485

Request/Response or Produce/Consume serial protocol — For example Modbus RTU, ASCII, DF1.

### Anybus Communicator™

With the Anybus Communicator you can connect your non-networked device to any major fieldbus or Industrial Ethernet network. The Communicator performs an intelligent conversion between the RS-232/422/485 protocol of the automation device and the chosen Industrial network. This compact gateway consumes very little space in a switching cabinet and is easily mounted on a standard DIN rail.



#### Typical Industries



#### Application example single-drop



#### Application example multi-drop



The Communicator works as a serial Modbus RTU master to the connected slave devices, and as a slave towards the PLC.

Network:	Part No:
CANopen	AB7003
CC-Link	AB7008
CC-Link IE Field	AB7077
ControlNet	AB7006
DeviceNet	AB7001
EtherCAT	AB7061
EtherNet/IP	AB7007
EtherNet/IP 2-port	AB7072
FIPIO	AB7011
Interbus	AB7012
Modbus Plus	AB7002
Modbus RTU	AB7010
Modbus TCP	AB7028
PROFIBUS	AB7000
PROFINET IO	AB7013
PROFINET IRT	AB7078

**Optional accessories**  
USB-RS232 configuration adapter  
Part No: 019570

#### Features and benefits

- Convert almost any RS-232/422/485 Request/Response or Produce/Consume protocol in just a few minutes — For example Modbus RTU, ASCII, DF1.
- Pre-defined for Modbus RTU. Avoid the hassle of scripting and serial Modbus frame building with the 6-step Modbus RTU wizard.
- No hardware or software changes are required for the connected automation device.
- Compatible with PLCs from leading manufacturers such as Siemens, Rockwell, Schneider Electric etc.
- Complete protocol conversion performed by the Communicator; no PLC function blocks required.
- Handy Save/Load function means a completed configuration can be re-used for many other installations.
- Included "Anybus Configuration Manager" with flexible serial frame building capabilities.
- Versions with Dual Port switched Ethernet allows for daisy chaining and eliminates the need for external switches.
- Global free technical support and consultancy.

#### Anybus Configuration Manager software



This Windows™ based software has an easy-to-use user interface and requires no programming.

You can convert almost any RS-232/422/485 Request/Response or Produce/Consume protocol — Modbus RTU, ASCII, DF1, or user-specific.

The Communicator requires no PLC function blocks or programming. Just connect, configure and you're done.

**3 YEAR GUARANTEE** HMS provides a full 3 year product guarantee.



# Panelview Communications Adapters

## Prosoft AN-X2-AB-DHRIO

Converts DH+ and RIO networks to Ethernet/IP



### DATASHEET

#### EtherNet/IP™ to Remote I/O or DH+ Gateway AN-X2-AB-DHRIO

The AN-X2-AB-DHRIO Gateway is designed to help customers initiate a phased migration approach to replacing or upgrading legacy Remote I/O PLCs, HMI's, Drives or Flex I/O Adapters. These solutions can be achieved by selecting the corresponding operation mode during initial configuration. The AN-X2-AB-DHRIO has a built-in web server that can display diagnostics data, configuration, upload configuration files, and set the operation mode.

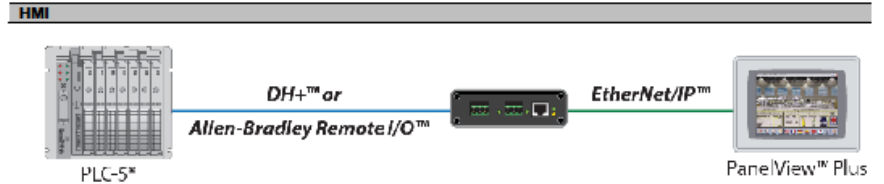
*Note: Now supports DH+ migrations on SLC networks. Some PLC code change may be required see TN143269-001 DH+ to EIP PV Migration for SLC networks.pdf for more information.*

**DRIVE**



This mode supports upgrading legacy Allen Bradley drives on Remote I/O to new EtherNet/IP enabled drives.

- No changes to PLC code required
- Supports up to 4 EtherNet/IP drives
- Configurable with 1/4, 1/2 and full rack addressing
- Supports all PowerFlex drives on EtherNet/IP



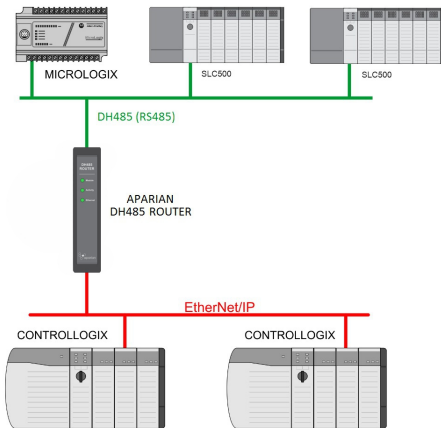
This mode allows legacy PanelViews on Remote I/O or DH+ to be upgraded to a PanelView Plus, PanelView Plus 6 or PanelView Plus 7 on EtherNet/IP.

- No changes to PLC code required
- Supports up to 8 PanelViews on the same network
- Support for DH+ to EtherNet/IP PanelViews upgrades on PLC5 or SLC networks

# Panelview Communications Adapters

## Aparian DH-485 Router

The DH485 Router can be used to connect newer PanelView Plus and PanelView 800 devices to Rockwell Automation SLC5/03 controllers.



*Route DH485 to Logix*

*1761-NET-AIC Migration*

*Program SLC5/03 over  
DH485 from EtherNet/IP*

*Interface PanelView Plus or  
PV800 to SLC5/03*

*Logix to SLC / MicroLogix*

*Supports Redundancy*

*Direct-to-Tag Technology*

*Built-In Packet Analyser*

*DIN Rail Mount*

*Easy to configure*

## DH485 Router

Intelligent DH485 to EtherNet/IP Router

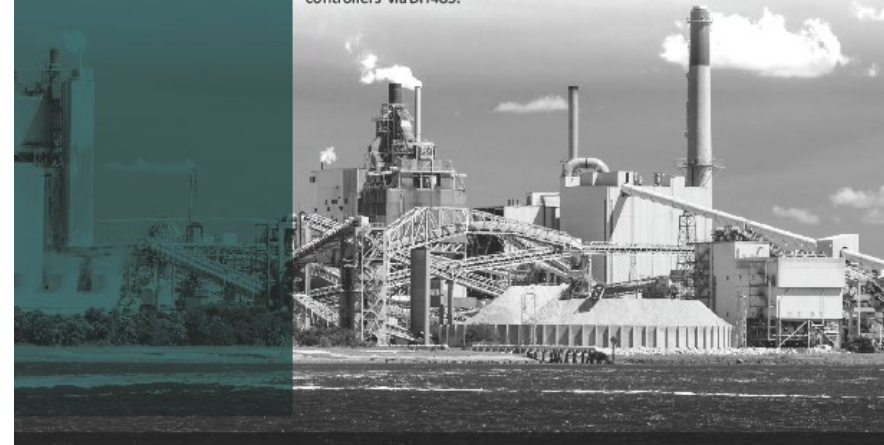
The DH485 Router provides intelligent data routing between EtherNet/IP and Dh485 which can help simplify the migration from MicroLogix and SLC systems to ControlLogix or CompactLogix platforms, where a DH485 interface is required.

The module can also be used for remote programming or bridging between Ethernet and DH485.

The device makes use of the DH485 destination Node Address, (and Data File address in certain modes), to determine to which Logix controller the message should be routed. The mapping table, which can be configured in minutes, supports connections up to 8 Logix controllers.

The DH485 Router can also be used to program Rockwell Automation SLC5/03 controllers from Ethernet to DH485.

The DH485 Router can also be used to connect newer PanelView Plus and PanelView 800 devices to Rockwell Automation SLC5/03 controllers. This is especially useful with newer PanelView Plus devices (supporting only Ethernet) which needs to connect to controllers via DH485.



# Panelview Migration

## New Products



# PanelView Plus 7 Performance

## Stainless Steel Series B

### Stainless Steel Series B Terminals

- IP69K, NEMA 4X, CE, UL
- Stainless Steel 304 bezel
- Replaceable blue food-grade silicone gasket (FDA 21 CFR 177.2600)
- Conformally coated (ISA 71.04 G3)
- Brandless only units on 9" W and 12" W
- NSF certifications
- Target industries: Food and Beverage / Pharmaceutical
- **Industry match for VP Hygienic servo motor**



Description	Catalog Number
9" Widescreen terminal	2711P-T9W22D9P-BSHK
12" Widescreen terminal	2711P-T12W22D9P-BSHK
9" Replacement Panel Gasket	2711P-RGST9W
12" Replacement Panel Gasket	2711P-RGST12W

# Panelview HiBrite Alternative

6181x Industrial PC  
12" Display C1D2  
1300 cd/m2 (Nits)

9701-VWVR015AENE ESD - FactoryTalk View ME Station Runtime 15 Display (ENGLISH)
9701-VWVR030AENE ESD - FactoryTalk View ME Station Runtime 30 Display (ENGLISH)
9701-VWVR075AENE ESD - FactoryTalk View ME Station RT 75 Display (ENGLISH)
9701-VWVR250AENE ESD - FactoryTalk View ME Station RT 250 Display (ENGLISH)
9701-VWVR500AENE ESD - FactoryTalk View Machine Edition Station Runtime 500 Displays

## 1200XT Industrial Computers

Designed for extreme environments and hazardous locations



### XT: It's a System

The 1200XT Panel PC is a member of the Rockwell Automation extreme environment system, which includes control, communication and distributed I/O products. The XT System uses the Integrated Architecture® Logix control engine with enhancements to meet the needs of extreme environment applications. This approach provides users with a complete control and information architecture, reducing integration and installation costs and providing users with the quality they have come to expect from Rockwell Automation. The extreme environment system protects your automation investment by sharing state-of-the-art, integrated control technologies across the architecture.

- -20 °C to 70 °C (-4 °F to 158 °F) operating range (backside only)
- ATEX and IECEx certified
- UL Class I, Division 2 certified
- Fanless



### An Industrial Computer Solution for Extreme Environments

The Allen-Bradley® 1200XT line of Industrial Computers joins the Rockwell Automation® XT Extreme Environment portfolio, meaning it can handle conditions down to -20° Celsius and up to 70° Celsius (-4° to 158° Fahrenheit) (backside only). In addition, the units provide ATEX, IECEx and UL certification for hazardous locations.

- Intel Dual Core i3, 2.1GHz processor
- 8GB RAM (16GB System Max)
- 128GB Solid State Hard Drive
- Windows 7 or Windows 10
- 2 Serial COM ports
- 2 Gigabit Ethernet ports
- Display port and DVI-D port
- 1 half length PCIe x1 slot
- 4 USB 3.0 ports
- External Compact Flash Type II card slot (supports up to 16 GB)

### Industries and Applications

Allen-Bradley 1200XT computers are suited for a wide variety of demanding applications, where heat, cold and hazardous gas and dust challenge equipment. These kinds of applications are encountered in a wide variety of industries:

- Chemical and Pharmaceutical
- Energy and Power Generation
- Mining and Metals
- Water / Wastewater
- Oil and Gas



Allen-Bradley - Rockwell Automation



# PanelView Migration Resources

[2711P-AP001: Migrating PanelView Standard Applications Manual](#) – Detailed software/hardware conversion information

[2711P-AP002: Legacy PanelView to PanelView Plus 6 Catalog Number Conversions](#) - Detailed part number conversions

[2711P-AP004: PanelView 6 Terminals to PanelView 7 Terminals Catalog Number Conversions Migration Guide](#) – Detailed part number conversions

[2711P-AP005: Legacy PanelView Terminals to PanelView Plus 7 Terminals Catalog Number Conversions](#)- Part # Conversions

[2711P-AP006: Migrating PanelView Standard Applications to PanelView Plus 7](#) – Detailed software conversion information

[View SG001 - Visualization Solutions Selection Guide](#) - Good overview of Visualization product line with part numbers and brief feature information for each product

[Answer ID 47223 - List of adapter plates for the PanelView Plus 6 and PanelView Plus 7 Performance](#)

[Answer ID 900839: USB to Serial Converters for PanelView Plus 7](#) - Only 2 USB to Serial cables supported: 9300-USBCBL-CP3, 9300-USBCBL-PM02; DF1 is only protocol supported

[Answer ID 456868: FactoryTalk ME Runtime \(MER\) Conversion Compatibility](#) – Converting ME Runtime files back to ME Development files

# HMI Cleaning

## How to properly clean a terminal

- Cleaning a PanelView 800 terminal  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/60607/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/60607/loc/en_US#_highlight)
- Cleaning a PanelView terminal  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/22501/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/22501/loc/en_US#_highlight)

## Resistance to chemicals in cleaning solutions

- VersaView Panel PC or Monitor (User Manual Page 49)  
[https://literature.rockwellautomation.com/idc/groups/literature/documents/um/6200-um001\\_-en-p.pdf](https://literature.rockwellautomation.com/idc/groups/literature/documents/um/6200-um001_-en-p.pdf)
- PV800  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/60084/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/60084/loc/en_US#_highlight)
- PVP/PVP6  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/28400/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/28400/loc/en_US#_highlight)
- PVP7 Standard  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/821158/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/821158/loc/en_US#_highlight)
- PVP7 Performance  
[https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/821170/loc/en\\_US#\\_highlight](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/821170/loc/en_US#_highlight)



**Rockwell  
Automation**



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