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<b>Connectivity</b>								
CompactLogix™ 5370 and ControlLogix® 5570 Controllers	✓(Studio 5000, v27+)	✓(Studio 5000, v27+)	✓	✓	✓	✓ <sup>2</sup>	✓	✓
CompactLogix 5380 and ControlLogix 5580 Controllers	✓(Studio 5000, v29+)	✓(Studio 5000, v29+)	✓	✓	✓	✓ <sup>3</sup>	✓	✓
CompactLogix 5480 Controllers	✓(Studio 5000, v31+)	✓(Studio 5000, v31+)	✓	✓	✓	–	✓	✓
PLC-5®/SLC™/MicroLogix™ Controllers - Ethernet	–	–	✓	✓	✓	✓	✓	✓
PLC-5/SLC/MicroLogix Controllers –Serial (DF1)	–	–	✓	✓	–	✓	✓	✓
PLC-5/SLC Controllers - DH+ / ControlNet	–	–	–	–	–	–	✓	–
Micro800® Controllers	–	–	✓	✓	✓	✓	✓	✓
Third Party Controllers	–	–	✓	✓	✓	–	✓	✓
<b>Development Environment</b>								
Studio 5000 View Designer® Software	✓	✓	–	–	–	–	–	–
FactoryTalk® View Machine Edition (ME) Software	–	–	3.2, 4, 5.x, 6.x, 7, 8.x, 9.x, 10.x, 11.x, 12.x	5.1, 6.x, 7.x, 8.x, 9.x, 10.x, 11.x, 12.x	3.2, 4, 5.x, 6.x, 7, 8.x, 9.x, 10.x, 11.x	–	3.2, 4, 5.x, 6.x, 7, 8.x, 9.x, 10.x, 11.x, 12.x	5.1, 7, 8.x, 9.x, 10.x, 11.x, 12.x
Connected Components Workbench™ Software	–	–	–	–	–	7, 8.x, 9.x, 10.x, 11.x, 12.x, 13.x, 20.x	–	–
<b>Scale</b>								
Screen Size (Rounded Inches)	7, 7W, 9W, 10, 12W, 15, 19	6, 7W, 9W, 10, 12W	7, 9W, 10, 12W, 15, 19	4W, 6, 7, 9W, 10, 12W, 15	10W	4, 7, 10	4, 6, 7, 10, 12, 15	4, 6, 10
Screen Count / Controllers / Alarms	500/4/16,000 <sup>4</sup>	100/1/4000	No limit (based on memory and CPU)	100/1/500 <sup>5</sup>	No limit (based on memory and CPU)	50/4/500 <sup>6</sup>	No limit (based on memory and CPU)	25/1/200
<b>High-performance Features</b>								
High Speed on Screen Buttons	✓	✓	–	–	–	–	–	–
Scalable Vector Graphics	✓	✓	–	–	–	–	–	–
Property Binding	✓	✓	–	–	–	–	–	–
Automatic Rescaling	✓	✓	–	–	–	–	–	–
Alignment Guides	✓	✓	–	–	–	–	–	–
Events and Commands	✓	✓	–	–	–	–	–	–
Navigation Button with on Screen Pop-up Menu	✓ (Hard)	✓ (Soft)	–	–	–	–	–	–
Predefined Controller/Network/Terminal Status Screens	✓	✓	–	–	–	–	–	–
Smart Runtime Error Notifications	✓	✓	–	–	–	–	–	–
<b>Alarms</b>								
HMI-based Alarms	Future	Future	✓	✓	✓	✓	✓	✓
Automatic Display of Logix-based Alarms	✓	✓	–	–	–	–	–	–
Logix Tag-based Alarms	✓	✓	–	–	–	–	–	–
<b>Data Logging</b>								
HMI-based Datalog with CSV Export	✓	✓	✓	✓	✓	✓	✓	✓
<b>Graphics</b>								
High Resolution and Wide Screens	✓	✓	✓	✓	✓	✓	–	–
Custom Graphic Reuse	✓	✓	✓	✓	✓	✓	✓	✓
Vector Graphics	✓	✓	–	–	–	–	–	–
Display Import/Export	Future	Future	✓	✓	✓	–	✓	✓
Faceplates	✓	✓	✓	✓	✓	✓	✓	✓
Display Reuse with Parameters	✓	✓	✓	✓	✓	–	✓	✓
Animation	✓	✓	✓	✓	✓	–	✓	✓
Portrait/Landscape Display Mode	Future	Future	✓	–	–	✓	–	–

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<b>Multi-language Support</b>								
Language Switching	✓	✓	✓	✓	✓	✓	✓	✓
Localized Keyboard	Future	Future	✓	✓	✓	✓	✓	✓
<b>Remote Access</b>								
Web HMI Server (Remote Viewing/Control)	Future - Remote client support	Future - Remote client support	FactoryTalk Viewpoint	FactoryTalk Viewpoint	–	–	FactoryTalk Viewpoint	FactoryTalk Viewpoint
VNC Server	✓	✓	✓	✓	✓	✓	✓	✓
FTP Server	–	–	✓	✓	✓ can be installed	✓ (not applicable to CompactLogix controller)	✓	✓
Remote Desktop Client	–	–	✓	✓	✓	–	✓	✓
VNC Client	–	–	✓	✓	✓ can be installed	–	✓	✓
<b>Other</b>								
Device Level Ring	✓	–	✓	Optional	–	–	–	–
ActiveX Controls	–	–	✓	✓	✓	–	✓	✓
Enhanced Write Filter	–	–	–	–	✓	–	–	–
Emulator	✓	✓	✓	✓	✓	–	✓	✓
USB Input	2x USB 2.0 (Type A), 1x USB 2.0 (Type B)—for future use	1x USB 2.0 (Type A), 1x USB 2.0 (Type B)—for future use	Series A: 2x USB 2.0 (Type A) Series B: 1 USB 2.0 (Type A), 1 USB 3.0 (Type A)	1x USB 2.0 (Type A), 1x USB 2.0 (Type B)	1x USB 2.0 (Type A)	1x USB 2.0 (Type A)	4" & 6": 1x USB 2.0 (Type A), 1x USB 2.0 (Type B), 7", 10", 12", 15": 2x USB 2.0 (Type A), 1x USB 2.0 (Type B)	4" & 6": 1x USB 2.0 (Type A), 1x USB 2.0 (Type B), 10": 2x USB 2.0 (Type A), 1x USB 2.0 (Type B)
Backup / Restore / Cloning	✓ Load project and firmware from removable media	✓ Load firmware and project from removable media	✓	✓	✓	✓	✓	✓
Operating system	Linux (closed to users)	Linux (closed to users)	Series A: Windows CE 6.0 <sup>7</sup> Series B: Windows 10 IoT Core	Windows CE 6.0 <sup>(7)</sup>	Windows Embedded Standard 7 SP1	None	Windows CE 6.0 <sup>(7)</sup>	Windows CE 6.0 <sup>(7)</sup>
Desktop	None	None	Series A: Secured Desktop Access Series B: N/A	Secured Desktop Access	None	None	Secured Desktop Access	Secured Desktop Access
SD Card	✓	✓	✓	✓	✓ (internal only)	✓	✓	✓
Power	DC	DC	Series A: AC or DC <sup>8</sup> Series B: DC	DC	DC	DC	AC or DC	DC
<b>Recipes</b>								
Recipe Manager	Logix based	Logix based	✓	✓	✓	✓	✓	✓
Macros	–	–	✓	✓	✓	–	✓	✓
<b>Reporting</b>								
Email	✓	✓	✓	✓	✓	✓ (not applicable to CompactLogix controller)	✓	✓
<b>Security</b>								
Local Users	✓	✓	✓	✓	✓	✓	✓	✓
FactoryTalk Software Users	–	–	✓	✓	✓	–	✓	✓
Microsoft® Active Directory Users	–	–	✓	✓	✓	–	✓	✓
Auto Logoff	✓	✓	✓	✓	✓	✓	✓	✓
<b>Tags</b>								
Logix Tag Extended Properties	✓	✓	–	–	–	–	–	–
Direct Reference Tags	✓	✓	✓	✓	✓	Micro800 only	✓	✓
HMI Tags	–	–	✓	✓	✓	✓	✓	✓
<b>Trending</b>								
Real-time Trending	✓	✓	✓	✓	✓	✓	✓	✓
Historical Trending	✓	✓	✓	✓	✓	–	✓	✓

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<b>Troubleshooting</b>								
Smart Runtime Error Notifications	✓	✓	–	–	–	–	–	–
Device Diagnostic Screens (PLC and HMI)	✓	✓	Faceplates + ActiveX control	Faceplates + ActiveX control	Faceplates + ActiveX control	–	Faceplates + ActiveX control	Faceplates + ActiveX control
Automatic Diagnostics	✓	✓	–	–	–	–	–	–
<b>Viewers</b>								
PDF	✓	✓	✓	✓	–	–	✓	✓
Excel®	–	–	✓	–	–	–	Optional	–
PowerPoint	–	–	✓	–	–	–	Optional	–
Word	–	–	✓	–	–	–	Optional	–
Web Browser	✓	–	✓	–	✓	–	Optional	–
Media Player	Using web browser	–	✓	–	–	–	Optional	–
<b>Certifications</b>								
Major Certifications	cULus, CE, KCC, RCM, RoHS, EAC	cULus, CE, KCC, RCM, RoHS, EAC	cULus, CE, KCC, RCM, RoHS	cULus, CE, KCC, RCM, RoHS, EAC	cULus, CE, RCM, RoHS	cULus, CE, KCC, RCM, RoHS	cULus, CE, KCC, RCM, RoHS	cULus, CE, KCC, RCM, RoHS
Hazardous Locations	Class I Div 2	–	Class I Div 2	IECEX, CCC Ex, Class 1 Div 2, ATEX Zone 2, 22	–	–	Class 1 Div 2	Class 1 Div 2
INMETRO	–	–	–	✓	–	–	–	–
Marine Certification	✓	–	–	–	–	✓	✓	–
<b>Modified Terminals</b>								
Conformal Coating	✓ All sizes	✓ All sizes	<b>Touch Models</b> 7 in., 9 in. (wide), 10 in., 12 in. (wide), 15 in., 19 in. <b>Touch/Keypad Model</b> 15 in.	–	–	–	7 in., 12 in.	–
High Bright Display	Future	–	Future	–	–	–	12 in.	–
On-Machine™	Future	–	12W ArmorView™ Graphic Terminal	–	–	–	–	–
Stainless Steel	9W, 12W	–	9W, 12W; Brandless	–	–	–	–	–
Illuminated E-stop	–	–	–	–	Gen 2 Only	–	–	–
Configurable Junction Box ID	–	–	–	–	Gen 2 Only	–	–	–
<b>Display</b>								
	LED backlit LCD, 24-bit 16.7M colors, widescreen options	LED backlit LCD, 24-bit 16.7M colors, widescreen options	LED backlit LCD, 262K colors, widescreen options	LED backlit LCD, 262K colors, widescreen options	LED backlit LCD, 262K colors	LED backlit LCD, 65K colors, widescreen options	LED backlit LCD, 262K colors, grayscale options	LED backlit LCD, 262K colors, grayscale options
<b>Input Type</b>								
	touch screen keypad/ touchscreen	touch screen	touch screen keypad/touch screen	touch screen	Function keys/touch Touch	touch screen touch screen + 4 keys	keypad touch screen keypad/touch screen	keypad touch screen keypad/touch screen
<b>Communication</b>								
	EtherNet/IP™ with DLR support	EtherNet/IP	EtherNet/IP with DLR support. Keware Server available to support third-party Ethernet protocols.	EtherNet/IP with optional DLR support. Keware Server available to support third-party Ethernet protocols.	EtherNet/IP	EtherNet/IP, DF1, and DH-485 Third-party communications: Modbus ASCII, Modbus RTU (Master and Slave/Unsolicited), and Modbus TCP.	EtherNet/IP, DF1 (RS-232), and DH-485 (RS-232). Optional communication modules for 7-inch and larger sizes to support DH+, DH-485 (RS-485), and ControlNet. Keware Server available to support third-party Ethernet and RS-232 protocols (Modbus TCP/RTU).	EtherNet/IP, DF1 (RS-232), and DH-485 (RS-232). Keware Server available to support third-party Ethernet and RS-232 protocols (Modbus TCP/RTU).

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<b>Memory and System Storage</b>								
	1 GB RAM and 1 GB user storage	1 GB RAM and 1 GB user storage	Series A: 512 MB RAM and approx. 80 MB user storage Series B; 4 GB RAM and approx. 2 GB user storage	512 MB RAM and approx. 80 MB user storage	4 GB DRAM/32 GB Flash	256 MB RAM and 256 MB storage	400 and 600 only– 256 MB RAM/512 MB nonvolatile memory (approx. 73 MB free user memory) 700 to 1500– 512 MB RAM/512 MB nonvolatile memory (approx. 79 MB free user memory)	400 and 600 only– 256 MB RAM/512 MB nonvolatile memory (approx. 73 MB free user memory) 1000 only– 512 MB RAM/512 MB nonvolatile memory (approx. 79 MB free user memory)

1. All versions of the PanelView Plus 6 terminals will be discontinued by the end of calendar year 2022.
2. Only applies to CompactLogix 5370, excluding L37 and L38.
3. PanelView 800 supports CompactLogix 5380 (5069-L306xxx) controllers.
4. The PanelView 5510 can support up to 4000 Logix tag-based alarms or up to 1000 Logix instruction-based alarm per controller. Use Logix Designer v32 or later for Logix tag-based alarms.
5. FactoryTalk View Machine Edition v11 or newer.
6. PanelView 800 supports up to 1000 alarm trigger conditions.
7. Windows CE 6.0 operating system supports these features: FTP Server, VNC client/server, PDF reader, Active X controls, third-party device support.
8. The ArmorView Plus 7 product is available only with the DC version of the PanelView Plus 7 Performance terminal.

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