

PanelView™ Plus 6 700, 1000, 1250, and 1500 Terminals

Machine-level HMI

Features and Benefits

Application Performance

PanelView Plus 6 provides an additional competitive edge for end users and OEMs by enabling increased machine performance. Expanded memory allows for greater flexibility in applications, while increased processor speed provides the operator a better experience through faster terminal response and greater control. Both enhancements improve visibility to data and provide a platform to make better, faster decisions.

Development Enhancements

Machine builders and end-users are under constant pressure to reduce design time, increase flexibility and deliver more value – exactly what FactoryTalk View Machine Edition 6.0 and Rockwell Automation's Integrated Architecture deliver. Rockwell Automation simplifies users' enterprise-wide process visualization by using a single design environment, providing a platform to share information – even at the design stage. These tools also offer a jump start to your application development, while supplying troubleshooting tools to assist in commissioning.

Application flexibility sometimes means being able to leverage 3rd party add-ons. With PanelView Plus 6 you can do just that – further simplifying your overall machine development.

Take time and cost out of development while delivering more performance to operators and value to customers.



PanelView Plus 6 Description

Over the years Rockwell Automation has earned a reputation for offering a wide range of scalable visualization solutions, available in multiple configurations and sizes. PanelView Plus is one of the most versatile operator interface options within that suite of visualization solutions. Now Rockwell Automation is enhancing this product line by adding more power and features like expanded memory, a faster processor and Microsoft Windows CE 6 operating system.

New PanelView Plus 6 operator terminals are ideal for applications that require monitoring, controlling and displaying information in dynamic ways, where operators must quickly understand machine status and make better decisions.

Coupled with the latest, built-in FactoryTalk® View Machine Edition 6.0 and View Studio application development software, this solution extends the performance and functionality of machine-level operator interface, while retaining a common development environment and Integrated Architecture from Rockwell Automation.

PanelView Plus 6 terminals are available in a variety of modular display sizes, enabling you to select exactly what is required for your application. This provides a standard base of modules and customizable features to use across multiple applications, reducing maintenance and inventory costs.

To meet more stringent environmental conditions; high-bright, conformal-coated and marine certified displays modules are also available.

LISTEN.
THINK.
SOLVE.™

Performance To Meet Your Needs

Microsoft CE 6 operating system

Similar to the original PanelView Plus family, CE 6 delivers added security and reduced corruption in a closed system which doesn't require a shut down procedure. In addition, this operating system allows for more demanding applications – with virtually no limitations on the PanelView screens necessary to support complex applications.

Increased memory

In addition to the operating system enhancements, a memory increase from 64MB to 512 MB supports graphic enhancements along with larger application runtime files – dramatically expanding the terminals' capacity to handle demanding graphic-intensive, memory-consuming applications.

Rugged hardware

The modular design allows for easy upgrades and flexible parts replacement. SD memory provides a rugged solid state memory. These features provide the kind of robust performance that can improve uptime.

Faster processor

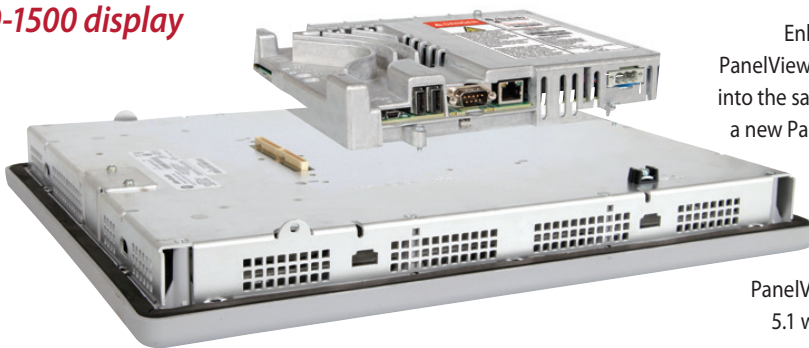
An increase from 650MHz to 1 GHz enables operators to get to the screens and data they need faster, avoiding errors improving their ability to respond.

Ethernet/IP

One standard network for everyone – reducing overall machine cost and providing a platform for the future.



PanelView Plus 6 logic modules can connect with existing PanelView Plus 700-1500 display



Protecting Your Investment

Enhance your machine by migrating your PanelView Standard to a PanelView Plus 6 – no need for a new enclosure, a PanelView Plus 6 can fit into the same cutout. If you are already using a PanelView Plus (700-1500), a new PanelView Plus 6 logic module will fit right on the existing display, providing an easy way to increase performance. FactoryTalk View ME 6.0 further supports your migration process by allowing you to import your PanelView Standard application and convert it automatically to PanelView Plus 6*. PanelView Plus applications developed on FactoryTalk ME 4.0, 5.0, and 5.1 will automatically port for ME 6.0**, helping you to manage your investment and increase performance.

*Some PanelView Standard applications may require minor modifications after conversion.

**Applications using ActiveX will need to be re-compiled to run on PanelView Plus 6.



FactoryTalk View Advantage

FactoryTalk View is a comprehensive visualization solution designed with a common look and feel, and navigation to help speed HMI application development and training time. Supporting the Rockwell Automation Integrated Architecture, FactoryTalk View is part of the scalable and unified suite of monitoring and control solutions designed to span stand-alone machine-level applications up through supervisory-level HMI applications across a network. This suite offers you a application reuse, and architecture so you can increase productivity, reduce operation costs, and improve production quality.

Application Development Enhancements

Single tag database

When your controller and operator interface use the same tag database, you reduce your development, commissioning and troubleshooting time.

Tools to simplify development

Faceplates and add-on instructions (AOIs) provide a jump start to your application as well as reduce commissioning and troubleshooting time.

Enhanced graphics

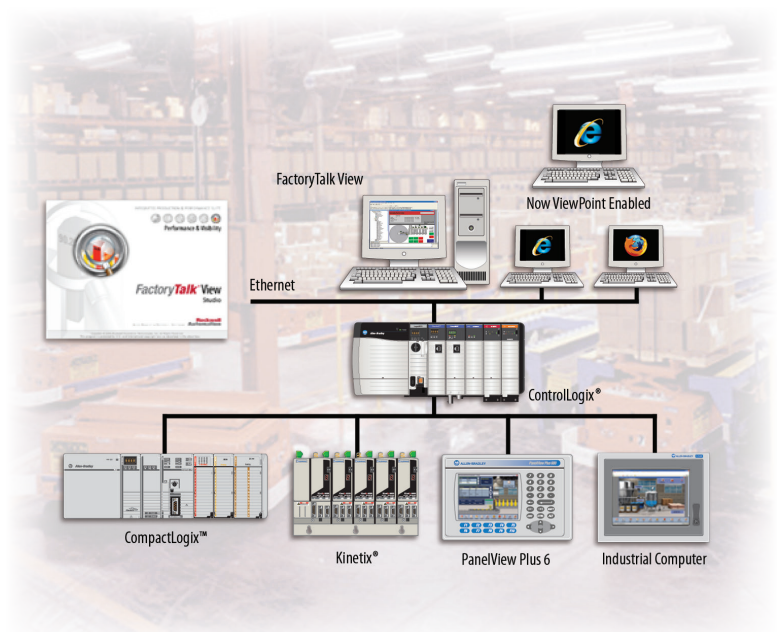
Expanded vector-graphic symbol library enables you to create operator interfaces that more closely resemble your machines, providing operators with more intuitive, accurate graphics – helping them identify what is happening on the machine.

Global design and support

Design your machine for a worldwide market by supporting remote access using included ViewPoint software. ViewPoint enables secure access to a PanelView on a remote machine, with a web-browser. The included MS Arial Unicode font support means you can support up to 20 languages in a single runtime application, simplifying machine deployment around the world.

3rd party applications for your dedicated terminal

Microsoft CE 6 can be used to customize your applications with extended functionality to meet unique needs. This password protected feature can allow for applications such as terminal services, virtual network computing (VNC), video, Microsoft Office document viewers and many other applications. A built-in pdf viewer allows you to provide context-sensitive documentation that operators can access directly from application screens.



	PanelView Plus 6 700	PanelView Plus 6 1000	PanelView Plus 6 1250	PanelView Plus 6 1500
Display Size	132 x 99 mm 640 x 480 resolution	211 x 158 mm 640 x 480 resolution	246 x 184 mm 800 x 600 resolution	304 x 228 mm 1024 x 768 resolution
Display Type	Color Active Matrix (TFT 18-bit color)			
Operating System	Microsoft Windows CE 6.0 R3			
Open Architecture	Yes (SDK available)			
CPU	x86 - 1.0 GHz			
RAM	512 MiB DDR2-533 (chip-on-board) (4264MiB/s peak)			
Internal Storage	512 MB			
Real-time clock	Yes, Battery-backed time clock timestamps critical data. Accuracy +/-2 minutes per month			
Environmental Operating Temperature	0 - 55°C (32 - 131°F)			
Ratings	NEMA 12, 13, 4X, IP54, IP65			
Certifications	cUL certified; UL listed; Class I, Div 2, Groups A,B,C,D; Class II, Div 2, Groups F, G, Class III, T4, Class I Zone 2 Group IIC			
Interfaces				
SD	1 x SDHC			
USB	2 x USB-A (v2.0 high speed), 1 x Mini-USB-B (v2.0 high speed 5 pin)			
PCI	1 x PCI (3.3/5V 32-bit)			
Communication Interfaces				
Ethernet	1 x RJ45 10/100 Mb Auto-MDI/MDI-X			
Ethernet (2nd NIC)	Available via add-on module			
RS232	1 x DB9			
ControlNet	Available via add-on module			
Data Highway Plus	Available via add-on module			
DH485	Available via add-on module			
Input Power	18-30V DC (isolated) or 85-264V AC @ 47-63 Hz			
Standard Software	FactoryTalk Machine Edition, FactoryTalk Viewpoint, PDF viewer, ActiveX controls, remote terminal control, FTP server			
Extended Software Option	Windows Media Player, Internet Explorer, Microsoft Office viewers			

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