



**Rockwell
Automation**

STREAMLINE YOUR OPERATIONS

with OptixPanel graphic terminals

▶ BEGIN

How can you help your plant floor run more efficiently?

Allen-Bradley® OptixPanel™ graphic terminals give you a PC-like user experience in a sealed Human Machine Interface (HMI) appliance.

OptixPanel graphic terminals come with FactoryTalk® Optix™ and FactoryTalk® Remote Access™ software pre-installed providing flexibility, scalability and enhanced connectivity.

There is no operating system to secure and smaller applications can benefit from their superior price-performance ratio.

Why OptixPanel graphic terminals?

FactoryTalk Optix software can be deployed to either an industrial computer or an OptixPanel graphic terminal allowing you to choose the best end device for your specific application.

Industrial computers give you more options for hardware configuration and can be modified in the field. You can choose the number of displays and communication ports as well as the amount of memory and local storage. You can configure them as self-contained panel PCs or as box PCs with one or more separate monitors. While most PCs run Microsoft Windows®, ASEM™ 6300 industrial PCs can run FactoryTalk Optix software on Windows® or Linux.

OptixPanel terminals provide a closed-system operator interface that is easier to administer. The operating system is not accessible, eliminating the need for antivirus software. They're also available in a wider range of screen sizes than PCs — from a 21.5" widescreen model to a 4.3" unit, which is about the size of a mobile phone. These are more budget-friendly and deliver a superior price/performance ratio — especially for smaller applications.



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OptixPanel graphics can be used as an alternative to industrial computers
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A wide variety of configurations
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OptixPanel graphic terminals are compatible with FactoryTalk software
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FactoryTalk Optix provides flexibility and scalability
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FactoryTalk Remote Access for enhanced connectivity
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A wide variety of configurations

OptixPanel graphic terminals come in two families and over 50 different versions.

Screen sizes: OptixPanel Compact units offer smaller physical sizes with 4.3" and 7" screens for skid-level applications. OptixPanel Standard units are available up in both 4:3 and widescreen aspect ratio from 7" diagonal to 21.5" screen sizes.

Bezels and touch types: Touch screen options include single touch analog resistive or projected capacitive (PCAP) multitouch with support for swipe and pinch gestures. Both OptixPanel Compact and OptixPanel Standard are available with either aluminum or aluminum and glass True Flat bezel types. The OptixPanel Standard is also available with a stainless-steel widescreen and a full IP69K rating for hygienic applications. All versions have a sleek and modern appearance with narrow frames.

OptixPanel graphic terminals are an addition to our established line of HMI products, including PanelView Plus and PanelView 5000 graphic terminals.



Connectivity options

OptixPanel Standard:

- Two USB 3.0 ports
- One DB9 serial port (RS232/422/485) isolated
- Two Gigabit Ethernet ports that can operate independently on two networks or function as a gateway between two subnetworks

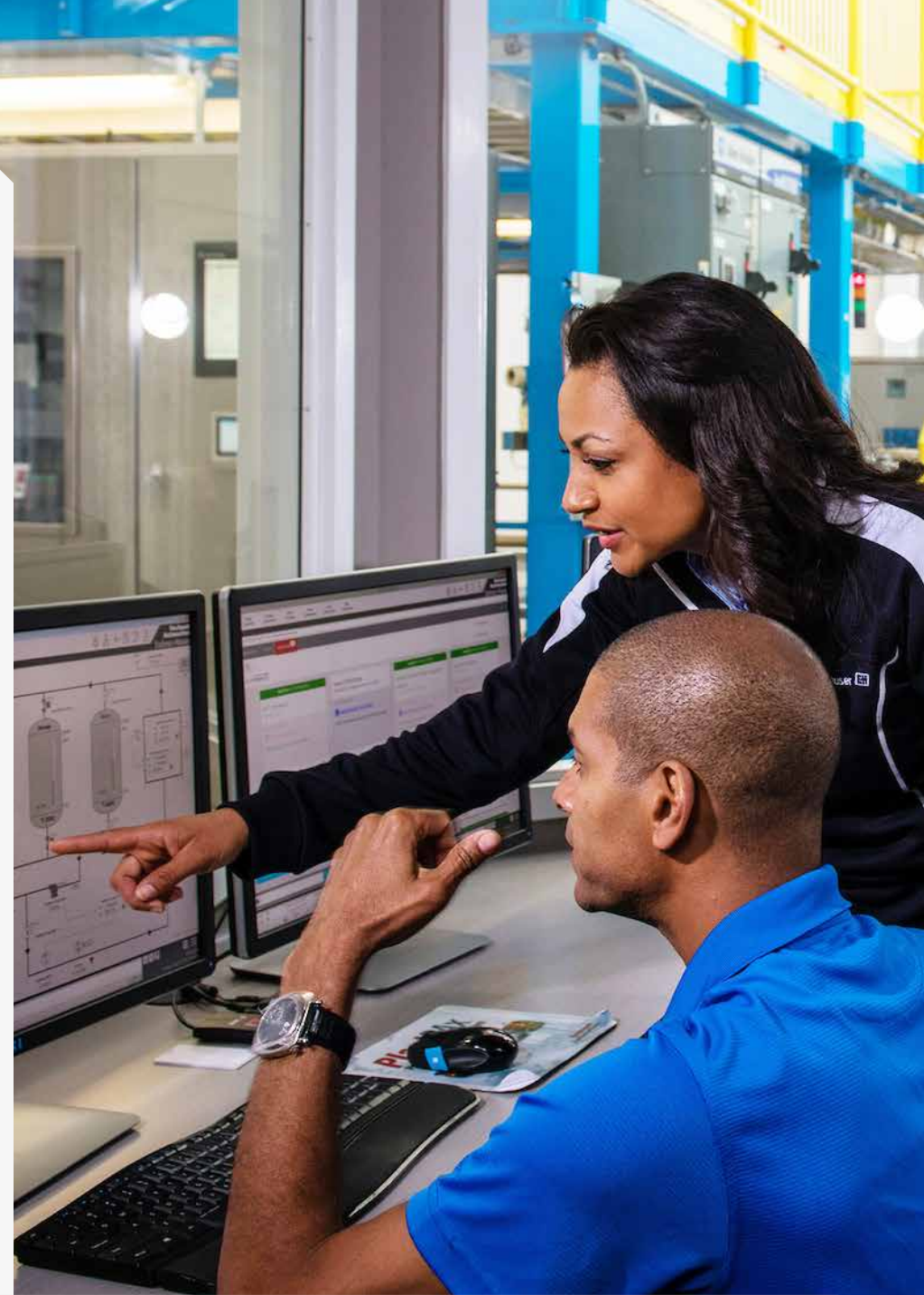
OptixPanel Compact:

- One USB 2.0 port
- One DB9 serial port (RS232/422/485) non-isolated
- One Gigabit Ethernet port

FactoryTalk Optix software design options let you pick the development environment that works best

Collaborate in the cloud: Developers working as a team can collaborate in the cloud through FactoryTalk® Design Hub™. Cloud-based features enabled with FactoryTalk® Optix Studio™ Pro allow you to design applications in a web browser and provide version management with GitHub integration (and with FactoryTalk® Vault™ in the future). Deploy applications to OptixPanel graphic terminals locally or add FactoryTalk Remote Access to deploy remotely. A 90-day free trial of FactoryTalk Optix Studio Pro is available to all users.

Go solo: Developers that are working independently can download the FactoryTalk Optix Studio software to their desktop free of charge and build applications disconnected from the internet. Applications can be deployed over their local network or using removable media.



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FactoryTalk Optix software provides flexibility and scalability

FactoryTalk Optix software offers users an unprecedented degree of flexibility and scalability for visualization and edge computing applications.

- **Flexibility:** You can develop your HMI without being tied to specific display hardware. Scalable Vector Graphics (SVGs) and responsive rendering enable FactoryTalk Optix to sense the screen size of the target system and adjust automatically, so you can build reference applications and leverage them in various use cases.
- **Modularity:** OptixPanel graphic terminals are sized to run small to medium applications. You can choose which functions to enable as you go, then deploy only the functionality you need such as drivers, data logging, reporting or web servers to solve your unique requirements. Applications are smaller so they perform better. If needed, you can upgrade your OptixPanel graphic terminal to add functions as your requirements change.
- **Openness:** FactoryTalk Optix software is more than just an HMI. It's an entirely open software platform. Built-in drivers leverage open communication standards like OPC UA to bring in data from a myriad of devices and MQTT to exchange IoT data with the cloud. C# scripting and the FactoryTalk Optix API provide access to any object in a project, so users can build highly customized applications or automatically create projects via scripting, during initial development and at runtime. You can even edit your application while it's running.



**Learn more about
FactoryTalk Optix HERE**

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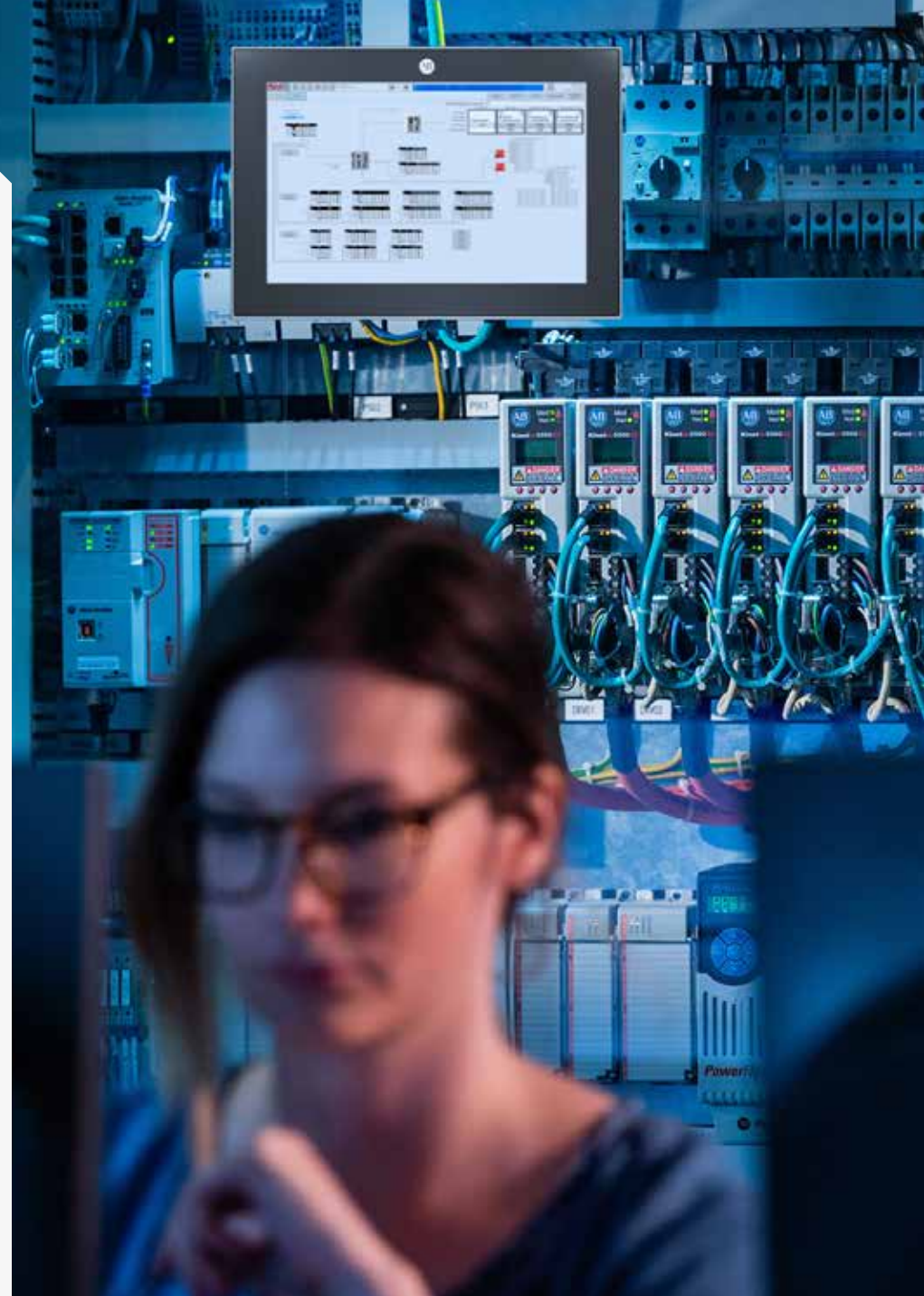


FactoryTalk Remote Access for enhanced connectivity

Your FactoryTalk Remote Access software subscription lets you remotely interact with your systems, just as if you were on-site.

- **Secure:** By leveraging the Rockwell Automation cloud infrastructure to connect to remote FactoryTalk Optix systems over a Virtual Private Network (VPN), you can securely deploy, update and maintain projects at the plant site. OptixPanel Compact graphic terminals ship with a perpetual runtime license of FactoryTalk Remote Access Basic. OptixPanel Standard graphic terminals ship with a perpetual runtime license of FactoryTalk Remote Access Pro.
- **Transparent:** OptixPanel Standard comes with the FactoryTalk Remote Access Pro license, which functions as a remote gateway, providing access to controllers, drives and other products on the remote subnetwork.
- **Economical:** Using FactoryTalk Remote Access, distant personnel can provide live support to plant personnel instantaneously without the time and cost penalties of traveling to the site.

**Learn more about
FactoryTalk Remote
Access [HERE](#)**



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As an offering in the FactoryTalk Optix portfolio, OptixPanel graphic terminals are a highly flexible HMI solution that combines hardware and software to enable unprecedented innovation and agility.

FactoryTalk Optix software offers:

- **Scalability:** Develop your HMI without being tied to specific display hardware. Responsive Scalable Vector Graphics (SVGs) enable the system to sense the screen size of the target system and adjust automatically. Use the HTML5 web presentation engine to display your user graphics remotely on any browser.
- **Modularity:** License and deploy only the functionality that you need for your specific application. Purchase expansions as needed to add functions as your needs change.
- **Openness:** Connect to the cloud and to process data leveraging communication standards like OPC UA and MQTT. Built-in drivers support native connections to most controllers.
- **Extensibility:** C# scripting and the FactoryTalk Optix API provide access to any object in a project, so users can build highly customized applications or even automatically create projects via scripting, during design and at runtime.
- **Flexibility:** Develop your applications independently with a local desktop editor, or collaboratively on the cloud-based FactoryTalk Optix Studio

through a web browser. Real-time editing allows you to make changes to the system as it runs, avoiding costly shutdowns.

In addition, OptixPanel graphic terminals run FactoryTalk Remote Access software, which is:

- **Secure:** Provides secure management, with capabilities to update and maintain projects and troubleshoot and configure devices remotely, including inviting users to collaborate via FactoryTalk Hub.
- **Transparent:** OptixPanel Standard graphic terminals function as a Remote Access gateway, providing programming access to controllers, drives and other products on the remote subnetwork.
- **Economical:** Using FactoryTalk Remote Access software, remote personnel can provide live support to on-site plant personnel instantaneously without the time and cost penalties of traveling to the site.

OptixPanel graphic terminals give you a PC-like user experience in a sealed HMI appliance, with features like:

- No access to the operating system
- No attack surface, eliminating the need for antivirus software
- Lower price points that deliver a superior price-performance ratio – especially for smaller applications

FactoryTalk Optix software and OptixPanel graphic terminals give you everything you need to expand your company's possibilities and outsmart your competition.

Connect with us.    

rockwellautomation.com — expanding **human possibility**®

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