

Honeywell Computer Platforms



Using a Honeywell-supplied computer platform reduces total costs due to:

- No wasted effort investigating unfamiliar platforms
- No wasted time troubleshooting misconfigured platforms
- More certainty in project planning
- Maximum benefits from Honeywell Lifecycle Management program

High System Availability

- Built to Honeywell specifications for use in industrial process control systems
- Fully tested with Experion[®] Process Knowledge System (PKS) and TotalPlant[®] Solution (TPS) software
- Redundant disks and power supplies in certain models
- Engineered to mount securely in Honeywell consoles and cabinets
- Fully supported by Honeywell Technical Assistance Center (TAC)
- The best choice to maximize uptime



Honeywell computer platforms help maximize plant performance.

Improved Business Performance

Today's competitive business environment demands high performance from your plant and its process control systems. Honeywell computer platforms deliver the best performance for Experion and TPS systems:

- Full support for Experion and TPS functions and features
- Powerful processors for fast response with single and dual processor options
- A range of RAM sizes for simple to demanding applications
- Peripherals selected for performance and robustness
- Hardware modules installed in the correct computer slot locations for performance and reliable operation
- BIOS and operating system preconfigured and tuned for optimal performance

Benefits of Honeywell Computer Platforms

- Reduced hardware selection time by up to 90 percent, since most options have been predetermined
- Delivered to your plant site with the hardware interface modules, operating system and Honeywell software installed
- Reduced commissioning time by up to 90 percent over other platforms requiring manual setup
- Compatibility with future Honeywell releases
- Lowest lifecycle costs

Built to Honeywell Specifications for Process Control

With the wide variety of computer models and many hardware options within each model, it is difficult to know what combination to buy for best performance in Experion and TPS applications. Honeywell eliminates this complexity with a set of server and workstation platforms that include most hardware options pre-selected to best fit with Experion and TPS systems, with just a few options needed to tailor a platform to a specific Experion or TPS product application, making hardware selection easy.

Honeywell workstation and server platforms are based on models from an industry-leading computer manufacturer. Through an extensive qualification process, Honeywell defines specific peripheral devices, slot locations and BIOS settings for best performance, sometimes even adding cooling fans to ensure longer service. Redundant power supplies and redundant disk drives (RAID-1 or RAID-5) are available in server platforms. Honeywell removes unneeded hardware devices and irrelevant software such as games.

Honeywell's set of consistent, robust platforms is optimally suited for the process control mission of Experion and TPS systems. Since these platforms are built to Honeywell's specifications, it is not possible to order identical platforms directly from the computer manufacturer.



Honeywell Workstation Platform

Quick Installation

Assembling a computer platform on-site--gathering third-party peripherals with software drivers and documentation, installing hardware and software correctly, and configuring the operating system--can be a time-consuming task.

Honeywell delivers platforms with all hardware and operating system software, and Experion or TPS software, properly installed, set up and ready to go. Honeywell supplies, on CD or DVD, platform initialization software that loads software drivers and other base software in the correct order. If a computer should need replacement or restoration to the original base software configuration, it can be easily loaded with the correct

software drivers and settings, and quickly become a Honeywell platform.



Honeywell Rack-Mount Server Platform

Honeywell computer platforms are also ready for installation in Honeywell console furniture and cabinets through kits that provide secure mounting and that direct the flow of air for proper cooling.

Avoid Compatibility Issues

In the open computer systems environment, some software may not run, or run properly, on different computers; or if it does run properly initially, it might not after hardware or software revisions are installed. Typical types of revisions include patches/fixes to operating systems, as well as the many revisions normally made to peripheral devices, motherboards and BIOS during the manufacturing lifecycle of a particular computer model.

Honeywell provides compatibility by rigorously testing the updates, fixes, patches, service packs and similar revisions issued by the operating system and computer suppliers, and releasing only those that pass and are relevant to Experion and TPS applications. Honeywell similarly tests revisions and new releases of Experion and TPS software on Honeywell platforms. With Honeywell server and workstation platforms, ongoing hardware and software compatibility is insured.

Back Up Honeywell Platform Hard Drives Online

Designed for Honeywell computer platforms, Experion Backup and Restore can back up the contents of each node's hard drive on a scheduled basis to a remote file server while the node is online. If ever needed, the latest data can be quickly restored using the management console.

Best Technical Support

Sometimes a problem or question may arise on an Experion or TPS node, for which the user cannot readily identify a hardware or software cause. Honeywell's TAC specialists are experts on Experion and TPS software running on Honeywell computer platforms. TAC provides the quickest assistance for systems with Honeywell platforms. Honeywell can provide full parts and service support for Honeywell platforms in your Experion or TPS process control system.

Lower Lifecycle Costs

Considering the total lifecycle cost of a computer platform, from ordering through commissioning, operation, troubleshooting, revisions and maintenance, Honeywell computer platforms are the best value. You can reap the full benefits through Honeywell Lifecycle Management services.

More Information

For more information on Honeywell computer platforms, visit www.honeywell.com/ps, or contact your Honeywell account manager.

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