

Service Note

Experion Station Upgrade

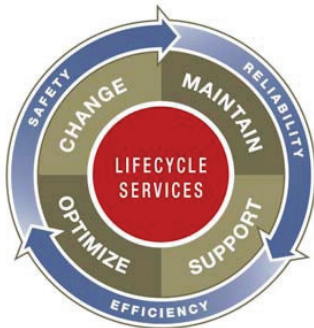


Increase System Performance

Experion Station Upgrades offer an economical way to increase performance. The upgrade kits allow for better long-term system support by offering the most current computer platforms running on the most current Windows operating system.

Experion Station Upgrades

The Experion station platform is offered in a variety of supported workstation platforms. They are broken down into two categories listed as Performance and Standard workstations by Honeywell. These are available in both tower and rack ready workstations. Depending on your current configuration there are separate



mounting kits available to allow installation of the new platform in existing Honeywell furniture. Except for the OptiPlex 3010, platforms in both categories are tested, qualified, and fully supported for any of the Experion station node types. The OptiPlex 3010 is not supported for LCN

connection and will only support up to two monitors. All others fully support all common configurations and Experion station node types. The hardware delivered through upgrade kits or regular models will provide hardware and operating system software only. Experion media and licensing must be ordered separately if an upgrade of the Experion system software is also being performed.

The operating system software will be Windows 2008 Server for the current Experion R410 and R400 releases.

Performance Workstations

Honeywell offers workstations for different customer needs. The stations classified as Performance workstations provide additional performance and robustness (ie. faster processors and options such as RAID1 drives) now found in the standard servers.



Depending on the node and size of the system the recommended server will vary. For best overall system performance the top end servers are suggested.



- 2U Rack mount or tower configurations available
 - Rack ready station includes mounting rails, requires meter deep cabinet
 - Rack ready station requires Honeywell model TP-RPSF02 remote peripheral solution
 - Towers may be mounted in Honeywell consoles or cabinets with separate mounting hardware
- Single quad-core Intel processor
 - 2.9 GHz for rack ready workstation
 - 3.6 GHz for tower workstations
- Two hard drives in RAID1 configuration
 - 250GB for rack ready workstation
 - 320GB and 500GB for tower options
- Default RAM of 4GB
- Default dual video but qualified for up to quad video support
- LCN connection supported

Standard Workstations

The stations in the Standard workstation category are qualified and supported Experion hardware but may not be recommended for heavily loaded or complex system needs. For normal system use they will be well suited although increased performance may still be achieved through use of the Performance options.

- 2U Rack mount for rack ready workstation
 - Rack ready station includes mounting rails and cable management arm
 - Requires meter deep cabinet
 - Requires Honeywell model TP-RPSF02 remote peripheral solution
- Tower workstation is not supported in any Honeywell consoles or cabinets
- Single quad-core Intel processor
 - 3.3 GHz for rack ready workstation
 - 2.4 GHz for tower workstation
- Single 250 GB hard drive
- Default RAM of 4GB for rack ready and 2GB for tower
- Default dual video
- LCN connection and quad video possible on rack ready station only in Standard category



Benefits

Previous Experion platforms are becoming more difficult to support due to spare parts availability as succeeding platform generations are brought to market. Parts availability coupled with the issue of software qualification—operating system versions, plus Honeywell qualification of software—present a situation that is most easily managed by upgrading to current platforms. The current generation servers provide a way to replace the previous platform with new technology and increase the life of the Experion nodes, while providing the benefits of increased speed and better performance.

Qualified Releases

Honeywell has tested and qualified the workstations on the following Experion releases:

- R400 and higher for all workstations
- The HP-based Z620 workstation will support the R3xx releases as well as the R4xx releases

Quad Video Support

Except for the OptiPlex 3010 the current workstations are able to support up to four monitors. They all ship with dual video standard and may expand to quad video through either a second dual video

board or the remote peripheral solution available. Please contact your Honeywell account manager or field service representative for details.

Mounting Considerations

The Honeywell models listed do not provide the hardware to mount in existing consoles or cabinets. Additional mounting hardware is required. Contact your Honeywell account manager or field service representative for additional details.

Honeywell Platform Model Numbers

- MZ-PCWS04 – Dell OptiPlex 3010 standard station, Windows 7 32-bit operating system*
- MZ-PCWS05 – Dell OptiPlex 3010 standard station, Windows 7 64-bit operating system*
- MZ-PCWS71 – Dell R5500 rack ready standard station
- MZ-PCWS72 – Dell R5500 rack ready performance station
- MZ-PCWS81 – HP Z620 tower performance workstation
- MZ-PCWS91 – Dell T3600 tower performance station

Note 1: The models above, with the exception of the Dell OptiPlex 3010, will also require the appropriate Microsoft Operating System model number based on the Honeywell software release selected.

Note 2: The OptiPlex 3010 does not support LCN connection and therefore may not be used for ES-T nodes.

*does not support mounting in any Honeywell furniture.

Honeywell Upgrade Kit Model Numbers

- TP-ZE2EHP – ES-T upgrade on HP Z620-based station
- TP-ZE2EHJ – ES-T upgrade on Dell T3600-based station
- TP-ZE2ETR – Dell R5500 rack ready Performance station
- TP-ZE2ER2 – Dell R5500 rack ready Standard station

Return Material Requirements

When utilizing the Honeywell K&E offerings, all displaced material must be returned to Honeywell. For the LCN-connected Experion Station Upgrade kits, the following must be returned:

- Computer platform
- LCNP4 board

Monitors

Customers who are updating the computer platform may also be interested in refreshing their monitors with Flat Panel Displays. The market is moving away from analog video and DVI connections are supported. The appropriate monitor upgrade kit depends on console configuration. Please ask your Honeywell account manager or service technician for further information.

For More Information

Learn more about how Honeywell's Experion Station Upgrades can increase the performance of your workstation platforms, visit our website www.honeywellprocess.com or contact your Honeywell account manager.

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