

PI660 contains built-in support for networked workstations that display, output data and transparently record a backup of critical data

Operator workstation

The Operator Workstation is a PC running Windows 2000 or XP and PI660 basic, professional or professional server. It programs and controls the 6000 data acquisition systems, records data to hard drive or RAID and displays the data for the operator. The Server version of PI660 distributes real-time data to PC workstations for display and output.

Display workstations

Several experimenters can simultaneously view real-time test data using the Client software on a PC platform with Windows when the Server software is installed on the Operator Workstation. Each Display Workstation can select to view any measurements in any of the supported graphical or numerical formats with alarm indicators.

DAQ workstation

The DAQ Client Workstation provides up to 64 analog outputs from any of the measurements recorded by the Operator Workstation. Up to four sixteen-channel DACs are supported by the DAQ Client software that can be assigned to any measurement channel and scaled to the user's requirements.

Video farm

The Video Farm may be used for displaying data in a large scale format, i.e. "video wall", or for multiple displays where the viewers do not need the ability to change displays or parameters. A Video Farm workstation supplies video outputs for up to nine display monitors. It selects the display types, measurements in each display and measurement scaling for each monitor.

Backup system

PI660XP and XPS support a second recording system for backup of critical test data. The backup system typically consists of an industrial grade PC chassis with processor, PCI backplane and one or more ADC cards. High level analog data is routed from the 6000 input module's high-level analog outputs to the inputs of ADC channels in the backup system. PI660 programs and controls both systems and once set up the backup system does not require any additional attention from the operator. The backup system channels are calibrated when the primary system is calibrated and its operation is completely transparent to the system operator.

