

Hardware Configuration

These sample workstation and network configuration specifications may be used as a guideline for computer workstation and networks that will support the Integra Energy Management System. These guidelines may be shared with your local network and workstation hardware vendor to assist in configuring a hardware environment that is appropriate for your company. These are standard configurations needed in a business environment and are not all-inclusive. Network Servers configured for remote access via Citrix or Terminal Services or a significant number of workstations will require a somewhat different and/or enhanced configuration than presented in this guide. These configurations do not generally take into account any needs of your organization beyond running the Integra Software.

We recommend using high quality components from companies like 3Com, Compaq, IBM, Hewlett-Packard, Dell, Etc. Certain brand names may be used in our sample configuration, a comparable brand name of the same quality and compatibility is usually acceptable.

For optimal performance and compatibility in a multi-user environment we recommend operating the Integra Software by utilizing a shared or dedicated network server with a server operating system. Multi-user installations utilizing peer-to-peer networks could be appropriate for single user or small workgroup environments but tend to be less robust than a dedicated server environment and are not recommended for most organizations.

Workstation Desktops

Pentium Class Workstation with a processor speed – 2Ghz
20-40GB hard drive
512MB RAM
CD Rom Drive
3.5 In Floppy Drive
Tape Backup Drive with Software or CD / DVD RW (For Local Non-Networked Workstations)
Microsoft Win/NT, Win/2000, Win/2003, Win/XP Pro Operating System
19" or 17" Monitor
Mouse and Keyboard
3Com 10/100 Network Interface Card
Microsoft Office Professional Software (Optional)

Network Server

Pentium Class Server with a processor speed – 1Ghz
1024MB RAM
CD Rom Drive
3.5 In Floppy Drive
100 Mega-Bit Network Interface Controller
Raid Array Disk Controller, Hot Swap Hard Drives with 9GB or greater capacity.
Tape Backup Drive and Software with capacity to backup entire drive array
UPS Redundant power supply
Microsoft Win/NT Server or Win/2000 Server, Win/XP Server, Etc. or Novell Netware
15" or 17" Monitor
Mouse and Keyboard
3Com 10/100 24-port Ethernet Hub or Switch
Ethernet Cat 5 Cabling

Options

HP LaserJet (Model No. 4000TN, 8000N, 5SI, 5N or compatible) Local or Network Printers
Iomega 1GB or 2GB Jaz Drive or CD / DVD RW – For Local Backup or Data Conversion
Iomega 100MB or 250MB Zip Drive or CD / DVD RW – For Local Backup or Data Conversion

Notes

Servers running Microsoft Terminal Server, Citrix Meta-Frame, Etc. require additional memory, processor and other considerations. In most configurations, enhanced performance will be realized by implementing a faster processor with additional RAM. 1Ghz processor speeds will work with Integra; however, we recommend a 2Ghz minimum processor for adequate performance. Advantage Client-Server installations will benefit from additional Server Memory or Dedicated Servers for Database Management. Dot Matrix printers are not recommended. Based on printer model, dot matrix printers may or may not be useable.