

## PC SERVER HARDWARE



### *Long description:*

K2025JC PC Server Hardware  
 DELL™ Precision 530 Workstation  
 Workstation Tower dimensions 8.89" W x 19.87" H x 19.8" D  
 1.7GHz Intel™ Xeon Processor (256KB Cache)  
 512 MB RAM (2 x 256MB)  
 nVidia GeForce2 GTS Video Card plus 32MB DDR  
 2 x 18GB LVD SCSI Hard disks (10000RPM)  
 10/100Mbit Network Interface Card (integrated 3Com)  
 CD-R/W Drive  
 Floppy Drive  
 Wheel Mouse  
 Windows™ NT Server 4.0  
 Windows NT Service Pack 6  
 Oracle 8.0.5 RDBMS  
 Symantec™ PC-Anywhere 8.0  
 Symantec PC-Anywhere 8.0 Upgrade

### *Flexible, cost-effective workstation platform*

To minimize cost and reduce the footprint size of the CR readers, study identification, image processing and quality control is decoupled from Centricity CR readers. This allows you greater flexibility – in both budgeting and siting. You can easily place the Centricity CR PC server hardware in any location – wherever it best meets your needs. One workstation can serve multiple readers, provided the required performance requirements for the hardware are met. This can dramatically lower cost and further reduce the overall size of the installation.

### *Many different functions – one PC*

The PC server hardware allows the CR workstation to operate in a number of different modes, depending on the choice of software and monitor. In the QA station mode, the server PC is the main engine for image processing, plus it acts as a central quality assurance workstation. As a dedicated processing server, it operates in the background, efficiently handling large amounts of data processing and image routing automatically. Finally, equipped as a standalone ID station or integrated ID/QA station, the PC enables patient identification, image processing and quality assurance, all on a single workstation. A minimum of one server for each cluster of up to three client PCs is required.

### *K2025JM UPS 110V*

Uninterrupted Power Supply (UPS) for CR Workstations.

### *K2025JN UPS 220V*

Uninterrupted Power Supply (UPS) for CR Workstations.



**GE Medical Systems**  
 Information Technologies

*We bring good things to life.*

# PC SERVER HARDWARE

## ***Robust and expandable hardware***

The PC server hardware consists of a powerful Dell workstation, equipped with substantial local image storage and a read/write CD drive. Add a 17" CRT or 15" LCD monitor plus the appropriate software, and studies can be identified and images previewed at the server PC. If less keyboard input is your goal, an optional 15" flat panel touch screen can be configured. For a larger viewable area, step up to the brilliant 18" color LCD. When diagnostic quality viewing is needed, 2K resolution can be delivered with a choice of high resolution CRTs. Plus, an extra 36 GB hard disk is offered to extend local image storage time before the need for external archiving arises. Finally, for extra protection, backup power is available via two choices of uninterruptible power supplies. Simply plug the PC server hardware into the UPS and your power is conditioned and made more reliable so you can continue processing studies even while the rest of the facility is in the dark.

## ***Automated CR image processing***

The Centricity CR software loaded on the PC server hardware determines the functionality of the CR workstation itself. From study identification, MUSICA image processing and basic QC, to a wide range of specialty applications and high productivity viewers, the PC server hardware can handle it all. You determine the workflow you need to deliver, Centricity CR can be configured to meet those requirements.

## ***Typical hardware/software configurations for the PC server hardware:***

QA Station – 18" LCD or 2K CRT monitor, on-line processing software, QC or IPD Viewer software plus advanced options

ID/QA Station – 18" LCD monitor, ID software and tablet, on-line processing software, QC or IPD Viewer software plus advanced options

ID Station – 15" LCD monitor, ID software and tablet, on-line processing software

Processing Server – 17" CRT monitor, on-line processing software

## ***Technical Information:***

### **Workstation 530 Tower**

New clamshell chassis design provides ease of access to internal components

### **Workstations**

8.89" width x 19.87" height x 19.8" depth

### **Expansion Slots**

1 4X AGP Pro110 slot

3 32-bit 33MHz PCI slots

2 64-bit 66MHz PCI slots

### **I/O Ports**

1 keyboard, 1 mouse

1 NIC

1 parallel, 2 serial

4 USB (two in front and two in rear)

2 IEEE 1394 (one in front and one in rear)

Microphone – in & audio line-in – 1 headphone on front panel

Speaker-out

### **Drive Bays**

External: One 3.5-inch floppy disk drive

Three 5.25-inch removable media bays

Internal: Three 1.0-inch hard drive bays

Up to four 1.0-inch low profile SCSI hard drives are supported with use of 3rd 5.25-inch peripheral bay

## PC SERVER HARDWARE

Acceptable input voltage	0 – 160VAC
Output voltage	103 – 132 VAC (by default)
Input Protection	Resettable circuit breaker
Frequency limits (on-line operation)	50 or 60 Hz +/- 5%
Transfer time	2 ms typical, 4ms maximum
Maximum load	1000VA – 670W
On-battery output voltage	115VAC
On-battery frequency	50 or 60 Hz, +/-0.1 Hz
On-battery waveshape	Low-distortion sine wave
Protection	Overcurrent and short-circuit protected, latching shutdown on overload
Noise filter	Normal and common mode EMI/RFI suppression, 100 kHz to 10 MHz
Battery type	Spill proof, maintenance free, sealed lead-acid
Typical battery life	3 to 6 years, depending on number of discharge cycles and ambient temperature
Typical recharge time	2 to 5 hours from total discharge
Operating temperature	0 to +40° C (+32 to +104° F)
Storage temperature	-15 to +45° C (+5 to +113° F)
Operating and storage relative humidity	0 to 95%, non-condensing
Operating elevation	0 to +3,000 m (0 to +10,000 ft.)
Storage elevation	0 to +15,000 m (0 to +50,000 ft.)
Electromagnetic immunity	IEC 801-2, 801-3, 801-4
Audible noise in dBA at 1 m (3 ft.)	<45
Size (H x W x D)	21.6 x 17 x 43.9 cm (8.5 x 6.7 x 17.3 in.)
Weight - net (shipping)	18.8 (20.8) kg 41.5 (46) lb.
Safety approvals	Listed to UL 1778, certified to CSA 107.1
EMC verification	FCC/DOC Class B certified



General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Representative for the most current information.

© 2002 General Electric Company

4/02 Printed in USA

**GE Medical Systems**  
*We bring good things to life.*

GE Medical Systems Information Technologies  
8200 West Tower Avenue, Milwaukee, WI 53223 U.S.A.

Internet: [gemedical.com](http://gemedical.com)  
Americas: 800-558-5120 (U.S. only) 414-355-5000  
Europe/Middle East/Africa: +49-761-45-43-0  
Asia: +81-42-582-6820