

523-B43002
BOSTON, MA.

Line #	Part #	Description	Qty	Each	Price
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1	**NRTE316	Pinnacle Professional Server	1		
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Pinnacle Professional is a departmental computing system for Philips Pinnacle3 radiation therapy planning software. Pinnacle Professional is a single integrated computer providing data storage, fileserver and computing functionality. Users access the system via thin clients or virtual desktop PC's (sold separately). Pinnacle Professional Specifications (subject to change):

- Hardware platform: Oracle Sun Server X3-2
- Rack-optimized 1U chassis form factor and rack mounting equipment
- 160 GB of physical RAM (10 x 16GB DDR3-1600)
- Two (2) 8-Core Intel Xeon E5-2690 (2.90 GHz, 20 MB level 3 cache) processors
- Sun Storage 7410 RAID adapter (512MB cache, 6Gb SAS, PCIe)
- Dual, redundant 120/240 VAC power supplies
- Network-based remote power control and console capability (ILOM)
- Cable management arm and slide rail kit for racking of equipment in customer data center
- Four 100/1000/10,000 Mbps network ports
- External DVD drive and USB Y cable
- Data storage specifics: Seven (7) 600GB hard disk drives; configured in a RAID storage array with a single hot-spare hard drive. This configuration will yield roughly 2.3TB of usable space, which will contain the Solaris Operating Environment, storage for patient data, Pinnacle3 binaries, and user home directories. Patient data, home directories, and the Pinnacle3 software are stored on the RAID-5 internal storage system.
- The /PrimaryPatientData, /export, and /files file systems will use the ZFS file system.
- Professional is designed to be installed in a data center environment or a suitable mobile enclosure

Pinnacle Professional server includes DICOM and DICOM RT software for Pinnacle (import and export). Refer to the current Pinnacle DICOM Conformance Statement for details.

All other software licenses must be purchased separately on a per-seat (concurrent usage) basis. All Pinnacle3 software licenses "float" to any access point providing flexibility and accessibility for users.

*NOTE 1: For best performance, do not open a plan or plans that will exceed the 145GB of physical RAM. System performance will be degraded if all running plans exceed the physical 145GB limit.

**NOTE 2: System performance can be degraded if the system thread limit (32) is exceeded. For example, 8 simultaneously calculating SmartArc plans will use 4 threads each, or 36 threads total. Additional activity on the system will cause reduced performance; however remaining under 145GB of RAM is the most important consideration.

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NOTE: Delivery lead-times may be 8 weeks or more. Please consult with your local sales representative for available installation dates.

2	**FRT0948	IEC Rack PDU Power Cords	1		
		Contains two (2) IEC309 C13/C14 power cords (2.5m in length) for connecting to your rack's power distribution unit (PDU).			
3	**FRT1080	Professional User Manual ENG	1		
		User manual for managing the Pinnacle Professional system – English			
4	**FRT0929	Pinnacle3 Thin Client DTU& LCD	3		
		Order this product if this thin client seat will be a full-time planning seat. Full-time planning seats are determined by the number of software licenses purchased by the customer. Full-time planning seats are used to calculate Pinnacle3 software support contract pricing.			

Order FRT0977 for additional thin access points (access points above the number of actual Pinnacle3 software licenses).

Provides 1 thin-client kit for a Pinnacle user. This kit includes:

- Thin client network appliance
- 24" LCD display (1920x1200)

Order thin client country kit separately (keyboard, mouse and power cords)

NOTE: Any number of thin clients may be purchased for accessibility convenience, but only up to approximately 8 simultaneous users should be active per compute module for SmartEnterprise and only up to 7 simultaneous users should be active for Professional.

NOTE: The number of thin clients may exceed the number of Pinnacle3 (and options) licenses sold, HOWEVER the customer may not use more than the number of purchased licenses at any given time.

5	**FRT0931	US/CAN/JPN Thin Client Country Kit	3		
		Contains USB keyboard and mouse and local power cords for Pinnacle3 thin client kit.			
6	**FRT1111	VCC Extra Access Point	2		
		Order this product if this PC seat will be an extra desktop connection license (for convenience) above the number of actual Pinnacle3 software licenses. Extra virtual desktop licenses are discounted in the calculation of Pinnacle3 software support contract pricing.			
		Provides 1 PC emulation license for a Pinnacle3 user. This kit includes:			
		<ul style="list-style-type: none"> • PC emulation software CD 			

NOTE: The number of virtual client connection licenses may exceed the number of Pinnacle3(and options) licenses sold, HOWEVER the customer may not use more virtual client connection licenses than the number of purchased Pinnacle3 licenses at any given time (concurrent usage).

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The user provides the PC hardware. Minimum specifications are:

- Windows enabled PC: PC must meet minimum specifications to run Microsoft Windows (Windows XP or newer)
- Apple Macintosh: Macintosh capable of running Mac OSX version 10.6 or later. Note: Mac support for English, French, German and Dutch localized keyboards ONLY.

Common Requirements:

- Available hard disk space to load emulation application (~100MB)
- 1280 x 1024 (or better) high-resolution graphics display system and monitor
- 100 Mb, full duplex Ethernet interface with switched network hub; Minimum 10 Megabit Ethernet connection required.

NOTE: Specific hardware and networking requirements subject to change at any time.

7	**FRT0999	US/CAN/JPN Display Power Cord	3		
8	**NRTE484	v9.8 Software Kit-English	1		

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OPTIONS

Line #	Part #	Description	Qty	Each	Price	Initial
1	**FRT0997	Addl LCD Display for Pinnacle3	3			
		<p>Adds a second 24" LCD display for use with the SmartEnterprise, Professional and Expert thin client appliance. Provides an ultra-wide 3840x1200 desktop across the 2 LCD displays (each display is 1920x1200).</p> <ul style="list-style-type: none"> Choose the appropriate local power cord for each extra display ordered. 				
2	**FRT1212	Dyn Planning 810/Expert Lic	1			
		<p>Dynamic Planning 810/Expert System License</p> <p>Dynamic Planning system license for one Pinnacle3 or AcQSim3 810/Expert System</p> <p>Pinnacle3 Dynamic Planning is a software option that makes re-treatments and treatment adaptation fast, easy and clinically feasible.</p> <ul style="list-style-type: none"> Fast Assessment Providing convenient tools for geometric and dosimetric assessment, as well as trending tools allowing visualization of ROI changes over time, Dynamic Planning allows you to evaluate an original treatment plan on a new CT image set and quickly make a decision of whether to re-plan or continue treating with the original plan. Both standard fanbeam helical CT and Cone Beam CT (CBCT) are supported. Automate Re-Planning Following assessment, once the decision to re-plan has been made, re-planning can be completed in minutes with just a few mouse clicks. Manage Treatment Plans Over Time Quickly and simply view and navigate among current and previous plans used for the patient with Dynamic Planning's new Record Viewer & Treatment Navigator functions Facilitates Re-Treatments For patients that have been treated previously and present with new symptoms, Dynamic Planning's ability to copy the original plan to a new CT image set makes evaluating the combination of the original treatment and the new plan simple. DICOM RT-Dose import is supported from 3 party systems, as is the ability to sum dose on the same image set. <p>Dynamic Planning is available with Pinnacle3 9.6 version software or greater.</p> <p>Note: Pinnacle3 9.6 and Dynamic Planning are not compatible with SPARC Workstations or Servers. Please contact your Philips Radiation Oncology Systems sales or service representative for hardware upgrade requirements and options</p>				
3	**FRT1216	SPICE 810/Expert System Lic	1			

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OPTIONS

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Auto-Segmentation with SPICE 810/Expert System License

Auto-Segmentation with SPICE system license for one Pinnacle3 or AcQSim3 810/810X/Expert System

Utilizing Philips proprietary "Smart Probabilistic Image Contouring Engine" technology, Auto-Segmentation with SPICE reduces hours of contouring to just a few mouse clicks and improves contouring consistency.

Auto-Segmentation with SPICE is available with Pinnacle3 9.4 version software or greater.

Note: Pinnacle3 9.4 and Auto-Segmentation with SPICE is not compatible with SPARC Workstations or Servers. Please contact your Philips Radiation Oncology Systems sales or service representative for hardware upgrade requirements and options.