

Choosing a Server

Introduction

When using RMAvanced in a complex environment (any time there are more than five users connected to the system), you will need to give thought and attention to the environment where this will be used. In this document, you will find information on how to select and configure your hardware to receive the best performance.

The four main areas covered are:

- Server size
- Operating systems
- The network
- Workstations

In addition, you will find other helpful tips to get your system up and running as quickly as possible.

Server size

Choosing the proper hardware is one of your first concerns. The following chart is presented as a general guideline for getting the right size of server box based on your needs. There are no 'absolutes' in this process. Typically, you want to buy a little bigger than your needs under all circumstances and if you are expecting substantial growing in the near future, you will want to have enough horsepower to support that growth without buying a new system.

There are some things that are recommended at any level when buying a 'serious' server. This would include:

- Multiple power supplies
- Multiple cooling fans
- Multi-processor capable
- Dual network cards
- Fast Memory
- RAID disk array system

If cost is a very important issue and you have less than five users on your system, then it is possible to save a little money and get less. It *can* be a case of false economy and we will always recommend at least a system described as 'minimum' in the chart below.

Since hardware is constantly changing, it is a challenge to give prices, model numbers and other details. Likewise, it is difficult to recommend any certain brand. Generally, you cannot go wrong with the following (listed in alphabetical order):

- Dell
- HP/Compaq
- IBM

Other users have had good luck with 'white boxes', Gateway and others. For service, reliability, general availability, and other reasons, we recommend one of the three 'major brands.'

Size	CPU #	CPU speed	CPU type	Memory	RAID	Drive qty	Drive speed	Power supply	OS
Minimum	1	2.4 GHz	Pentium 4	2 GB	Raid 1	1	Any	1	Windows XP Pro
5 – 10 users	1	2.0	Xeon Dual Core	2 GB	1 OS	2	7.2k	2	Windows Server 2003 Standard
10 – 25 users	2	2.33	Xeon Dual Core	4 GB	1 OS 10 data	6	10k	2	Windows Server 2003 Standard
25 – 75 users	2 - 4	3.0	Xeon Quad Core	4 - 8 GB	1 OS 10 data	6+	15k	2	Windows Server 2003 Enterprise
75 + users	4	2.4	Xeon 6 core	4 – 8 GB	1 OS 10 data	6+	15k	2	Windows Server 2003 Enterprise

Operating systems

No matter what hardware you buy, there is only one operating system that we recommend with your 'box.' Our only recommendation at this time is Microsoft Windows 2003 Server. When set up using the 'Terminal Services' mode, it represents a powerful, consistent way of adding users to your system.

The power of this system lies in the way that data is managed in the system and the way it works with FoxPro. By keeping everything in a single box, it minimizes traffic over the network and provides the highest speed.

The Network

The network is also an important part of any system. By using terminal services, speed of the network is not critical. Basically, a standard 100 Mbit/s speed with good switches or routers is important. You do need to make sure that it is a stable system with consistent power available. You may want to put a small UPS (Uninterruptible Power Supply) on your switches. It is not recommend to use a 'hub' in your system, as hubs divide throughput between ports, and a 'switch' provides full throughput on each port; managed switches are typically not required.

Be sure that your wiring is good and that connectors on each cable are tight and secure. Also, observe distance limitations. It is recommended that Category 5 and Category 6 wiring have a length of less than 100 meters (300 feet) from any switch. If you do have a high amount of other data traffic on your network due to a high number of users (over 50) you might want to consider using a 1GB (1000 Mbit/s) backbone in the system. NIC (Network Interface Cards) cards for 1GB are not that expensive and switches have also dropped significantly in price over the last few years. We highly recommend a 1 gigabit network.

Workstations

The beauty of using the described system is that you do not need PCs attached to the system for many of your users. You can use inexpensive 'WinTerms' or 'Thin Clients'. There are a number of these type machines on the market from HP/Compaq, IBM (Neoware), Wyse and others. They cost less than a PC, are much quicker to set up and configure and also tend to be more reliable as there

are no moving parts in them – like hard drives and CD-ROMS. While they are somewhat limited in functionality, (you can't run intense graphic programs on them), they are perfect for a call center where everyone needs the same configuration for *RMAAdvanced*, Word and other such tools.

If you do decide to use a computer with your system, you will find that running XP Pro will give the best performance and may avoid additional license fees. The Home edition versions are not suitable because you cannot:

- Log on to an Active Directory Domain
- Use Group Policies
- Use Roaming Policy
- Have an encrypted file system or file level access control
- Have multi-languages

It is best to use XP Pro!

Conclusion

Choosing the right hardware and software is a critical part of having a successful *RMAAdvanced* system. If you have questions after reading this document, please feel free to call our technical support team. We have been doing this for years and would be more than happy to hear your plan and make comments as necessary so that your system works right – the first time!

Desktop Windows based PC

- Windows XP or later
- MapPoint 2009 for optional mapping module
- Wireless network for Wi-Fi (Optional)
- DVD Burner for Backing Up
- High Speed Internet – DSL, Cable, T1, etc.
- 10 GB Hard Disk Free Space
- 512MB of RAM (Minimum)
- Pentium 3 Processor, 2.0 GHz (Minimum)
- [Example system](#) from Dell.com (as of January 2009)

**ARS highly recommends that all workstations operate on Windows XP Profession Edition and Multi-User environments (2 or more users) implement a Windows Server system (Win 2003 Server Edition).*

Handheld PC

- Pocket PC operating system – Windows Mobile 5.0 or newer
- Units from: Advantage M3, Pharos, Symbol, HP (Infrared Port Only), and many others
- Optional Printer: 2", 3" or 4" – Please visit www.PDA4USA.com
- Various supplies: Paper, stylus, etc

**Screen must be LCD and QVGA. Palm Pilots (Palm OS Operating System) are not compatible. In addition, the system will not work on a full sized VGA (640 X 480). It will only work with 320 X 240.*

Windows Server

For 5-10 Users

- Windows Server 2003 with *Terminal Services*
- 2.0 GHz or above processor
- 2GB of RAM
- 80 GB or above hard drive (dual hard drives recommended)
- [Example system](#) from Dell.com (as of January 2009)

For 10-25 Users

- Windows Server 2003 with *Terminal Services*
- Dual Xeon 2.0 GHz or above processors
- 4GB of RAM
- 73 GB or above Ultra 320 SCSI hard drives in RAID 1 OS – 10 data
- Gigabit Network
- [Example system](#) from Dell.com (as of January 2009)

For 25-75 Users

- Windows 2003 Enterprise Server with *Terminal Services*
- Quad-core Xeon 3.0 GHz or above processors

- 8GB of RAM
- 146 GB or above Ultra 320 SCSI hard drives in RAID 1 OS – 10 data
- Gigabit Network
- [Example system](#) from Dell.com (as of January 2009)

For 75+ Users

- Windows 2003 Enterprise Server with *Terminal Services*
- Six-core Xeon 2.4 GHz or above processors
- 8GB of RAM
- 146 GB or above Ultra 320 SCSI hard drives in RAID 1 OS – 10 data
- Gigabit Network
- [Example system](#) from Dell.com (as of January 2009)



Print this page

Close

Dell recommends Windows Vista® Business.

[SHARE](#)

Print Summary



Dell Precision T3400 525w

Starting Price **\$973**
Instant Savings **\$100**

Subtotal \$873

Lease from **\$24/mo.** (48 pmts)¹

[0 Payments for 90 Days | Apply](#)

[Discount Details](#)

[Preliminary Ship Date: 1/13/2009²](#)

Save up to \$150 OFF select Fixed Precision Workstations.

Limited time offer
[More Details](#)

FREE Flat Panel Monitor Upgrade!

With purchase of OptiPlex desktops and Precision Workstations. Limited time offer.
[More Details](#)

Color Laser only \$199 with system purchase!

Limited time offer.
[More Details](#)

My Selections [All Options](#)

● **Dell Precision T3400 525w**

Date	1/7/2009 3:00:34 PM Central Standard Time			
Catalog Number	4 Retail 04			
Catalog Number / Description	Product Code	Qty	SKU	Id
PWS T3400 525W (32bit):				
Intel™ Core®2 Duo E4600 (2.40GHz/800MHz/2MB L2) 525W	5246T	1	[223-6899]	1
Operating System:				
Genuine Windows Vista® Business Bonus- Windows XP Professional downgrade	XP33BDP	1	[467-6061]	11
Hardware Support Services:				
3 Year Basic Limited Warranty and 3 Year NBD On-Site Service	Q3YOS	1	[985-6212][986-1580][989-3757][989-3758][991-2878]	29
Graphic Cards:				
256MB PCIe x16 nVidia NVS 290, Dual Monitor DVI Capable	NV290	1	[320-5864]	6
Chassis Configuration and 1394:				
Mini-Tower Chassis Configuration	MT	1	[311-7463]	2

Memory: 2GB, 800MHz, DDR2 SDRAM Memory, ECC (2 DIMMS)	2GE28	1	[311-7470]	3
CD-ROM, DVD, and Read-Write Devices: 16X DVD+/-RW w / Cyberlink PowerDVD™ and Roxio Creator™ Dell Ed	DVRW16	1	[313-5709][420-7980][420-9179]	16
Hard Drive Configuration: C7, ALL SATA, RAID 1for 2 Hard Drives	SR12	1	[341-5216]	9
Boot Hard Drive: 80GB SATA 3.0Gb/s with NCQ and 8MB DataBurst Cache™	80ST	1	[341-5235]	8
2nd Hard Drive: 80GB SATA 3.0Gb/s with NCQ and 8MB DataBurst Cache™	80STA	1	[341-5246]	23
Monitor: No Monitor	NMN	1	[320-3316]	5
File System: NTFS File System	NTFS	1	[420-3699]	27
Resource CD: Resource CD and DVD contains Diagnostics and Driver for Dell Precision Syst	RCDDVD	1	[310-9544][310-9934]	21
Labels: Windows Vista® Premium	VPDGRD	1	[310-9161]	750
Mouse: Dell USB 2-Button Mechanical Mouse with Scroll	ELD	1	[310-7959]	12
Floppy Drive and Media Card Reader Options: No Floppy Drive	NFD	1	[341-5255]	10
Speakers: No Speaker option	NSPKR	1	[313-2663]	18
Keyboard: USB Entry Quietkey, No Hot Keys	U	1	[310-7949]	4
Installation Services: No Onsite System Setup	NOINSTL	1	[900-9987]	32

 [Print](#)

Offers subject to change, not combinable with all other offers. Taxes, shipping, handling and other fees apply. U.S. Dell Small Business new purchases only. LIMIT 5 DISCOUNTED OR PROMOTIONAL ITEMS PER CUSTOMER. LIMIT 5 VOSTRO UNITS PER CUSTOMER. Dell reserves right to cancel orders arising from pricing or other errors.

[Laptops](#) | [Desktops](#) | [Business Laptops](#) | [Business Desktops](#) | [Workstations](#) | [Servers](#) | [Storage](#) | [Monitors](#) | [Printers](#) | [LCD TVs](#) | [Electronics](#) [▲ Top](#)
 © 2008 Dell | [About Dell](#) | [Terms of Sale](#) | [Unresolved Issues](#) | [Privacy](#) | [Contact](#) | [Site Map](#) | [Visit ID](#) | [Feedback](#)

sn CFG6



[Print this page](#) [Close](#)

Print Summary



PowerEdge 1900

Starting Price **\$2,714**
 Instant Savings **\$200**

Subtotal \$2,514

[Get Sales Help with Live Chat. Chat Now!](#)

Lease from **\$67/mo.** (48 pmts)¹

[0 Payments for 90 Days | Apply](#)

[Discount Details](#)

[Preliminary Ship Date: 1/26/2009²](#)

My Selections [All Options](#)

● **PowerEdge 1900**

Date	1/8/2009 12:05:54 PM Central Standard Time				
Catalog Number	4 Retail 04				
Catalog Number / Description	Product Code	Qty	SKU	Id	
PowerEdge 1900: Dual Core Intel® Xeon® 5130, 4MB Cache, 2.00GHz, 1333MHz FSB	19W20	1	[222-5261]	1	
Additional Processor: Single Processor only	1P	1	[311-1193]	2	
Memory: 2GB 667MHz (4x512MB), Single Ranked Fully Buffered DIMMs	2G4D6S	1	[311-6153]	3	
Operating System: Window s Server® 2003 R2, Standard Edition w ith 3R23SE SP2, Includes 5 CALs		1	[420-7118]	11	
Primary Controller: SAS5/iR, PCI-Express, Add-In RAID Card	SAS5IR	1	[341-4022]	9	
Hard Drive Configuration: Add-in SAS/SATA RAID 1, SAS 5/iR Adapter	ASR1C	1	[341-4017]	27	
Primary Hard Drive: 80GB 7.2K RPM Serial ATA 3Gbps 3.5-in Cabled Hard Drive	80S2	1	[341-4203]	8	
2nd Hard Drive:					

80GB 7.2K RPM Serial ATA 3Gbps 3.5-in Cabled Hard Drive	80S2	1	[341-4203]	23
Power Cords:				
Power Cord, 250 volt, C13 to C14, PDU Style, 10 amps, 2 feet / .6 meter	PDU2FT	1	[310-9862]	38
Network Card:				
Single Embedded Broadcom® NetXtreme II 5708 Gigabit Ethernet NIC	OBNIC	1	[430-1764]	13
Optional Feature Upgrades for Integrated NIC Ports:				
LOM NIC is TOE Ready	TOE	1	[430-2966]	6
Removable Disk and Tape Drives:				
No Internal Tape Drive	NOTBU	1	[341-4205]	15
Optional Optical Drives:				
48X IDE CD-RW/DVD ROM Drive	CDRWDVD	1	[313-4571]	16
Floppy Drive:				
No Floppy Drive	NOFD	1	[341-3052]	10
Keyboard:				
No Keyboard Option	NOKYB	1	[310-5017]	4
Mouse:				
No Mouse Option	NOMSE	1	[310-0024]	12
Documentation:				
Electronic Documentation and OpenManage DVD Kit	EDOCS	1	[310-8292]	21
Hardware Support Services:				
3Yr BASIC SUPPORT: 5x10 HW-Only, 5x10 NBD Onsite	U3OS	1	[980-0412][980-7030][985-3298][985-3307][985-3317]	29
Installation Support Services:				
No Installation Assessment	NOINSTL	1	[900-9997]	32



Offers subject to change, not combinable w ith all other offers. Taxes, shipping, handling and other fees apply. U.S. Dell Small Business new purchases only. LIMIT 5 DISCOUNTED OR PROMOTIONAL ITEMS PER CUSTOMER. LIMIT 5 VOSTRO UNITS PER CUSTOMER. Dell reserves right to cancel orders arising from pricing or other errors.

[Laptops](#) | [Desktops](#) | [Business Laptops](#) | [Business Desktops](#) | [Workstations](#) | [Servers](#) | [Storage](#) | [Monitors](#) | [Printers](#) | [LCD TVs](#) | [Electronics](#)

[▲ Top](#)

© 2008 Dell | [About Dell](#) | [Terms of Sale](#) | [Unresolved Issues](#) | [Privacy](#) | [Contact](#) | [Site Map](#) | [Visit ID](#) | [Feedback](#)

sn FG10



Print Summary



PowerEdge 2900 III

Starting Price \$5,037
 Instant Savings \$200

Subtotal \$4,837

Get Sales Help with Live Chat. [Chat Now!](#)

Lease from \$128/mo. (48 prmts)¹

0 Payments for 90 Days | Apply

[Discount Details](#)

Preliminary Ship Date: 1/16/2009²

My Selections All Options

● **PowerEdge 2900 III**

Date	1/8/2009 3:10:21 PM Central Standard Time				
Catalog Number	4 Retail 04				
Catalog Number / Description	Product Code	Qty	SKU	Id	
PowerEdge 2900 III: Quad Core Intel® Xeon® E5405, 2x6MB Cache, 2.0GHz, 1333MHz FSB	29H20NV	1	[467-5795]	1	
Additional Processor: Free Upgrade! Quad Core Intel® Xeon® E5405, 2x6MB Cache, 2.0GHz	2PH21	1	[467-2682]	2	
Memory: 4GB 667MHz (4x1GB), Single Ranked DIMMs	4G4D6D	1	[311-6154]	3	
Operating System: Window s Server® 2003 R2, Standard Edition with SP2, Includes 5 CALs	3R23SE	1	[420-7118]	11	
Operating System Addition: 10-pack of Window s® Server 2003 User CALs (Standard or Enterprise)	W2K3U10	1	[420-5610]	19	
Chassis Configuration: Tower Chassis Orientation	TOWER3	1	[313-5853]	28	
Primary Controller: FREE UPGRADE to PERC 6/i Integrated Controller Card	PERC6PP	1	[467-2724]	9	

Hard Drive Configuration:					
Integrated SAS/SATA RAID 10/1: Strpg Mirrored Sets Bkplane/MirroringFlexBay	6SR10R1	1	[341-5765]	27	
Primary Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug Hard Drive	73A15	1	[341-3029]	8	
2nd Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug Hard Drive	73A15	1	[341-3029]	23	
3rd Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug Hard Drive	73A15	1	[341-3029]	54	
4th Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug Hard Drive	73A15	1	[341-3029]	51	
Flex Bay Hard Drive Cage:					
1x2 Flex Bay	CAGE	1	[341-3045]	102	
Flex Bay Primary Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in FlexBay Hard Drive	73SF15	1	[341-3790]	103	
Flex Bay Second Hard Drive:					
73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in FlexBay Hard Drive	73SF15	1	[341-3790]	104	
Power Cords:					
Power Cord, NEMA 5-15P to C14, 15 amp, w all plug, 10 feet / 3 meter	WL10FT	1	[310-8509]	38	
Bezel:					
Tower Bezel Included	TBEZEL	1	[313-4363]	17	
Power Supply:					
Redundant Power Supply with Y-Cord	RPSWY	1	[310-7405]	36	
Network Adapter:					
Dual Embedded Broadcom® NetXtreme II 5708 Gigabit Ethernet NIC	OBNIC	1	[430-1764]	13	
Optional Feature Upgrades for Integrated NIC Ports:					
LOM NICs are TOE Ready	TOE	1	[430-2968]	6	
CD/DVD Drive:					
16X DVD-ROM	16XSDVD	1	[313-5854]	16	
Floppy Drive:					
No Floppy Drive	NOFD	1	[341-3052]	10	
Keyboards, Mice, Displays and Related Devices:					
Keyboard and Optical Mouse, USB, Black, English	KMENG	1	[310-8360][310-9638]	4	
Documentation:					
Electronic Documentation and OpenManage DVD Kit	EDOCS	1	[310-7402]	21	
Data Protection Offers:					
3Yr BASIC SUPPORT: 5x10 HW-Only, 5x10 NBD	U3OS	1	[960-8852][960-8882][970-4650][984-	29	

1/8/2009

The Dell Online Store: Build Your System

Onsite			1467][984-1469][990-1199]	
Installation Services:				
No Installation Assessment	NOINSTL	1	[900-9997]	32

 [Print](#)

Offers subject to change, not combinable w ith all other offers. Taxes, shipping, handling and other fees apply. U.S. Dell Small Business new purchases only. LIMIT 5 DISCOUNTED OR PROMOTIONAL ITEMS PER CUSTOMER. LIMIT 5 VOSTRO UNITS PER CUSTOMER. Dell reserves right to cancel orders arising from pricing or other errors.

[Laptops](#) | [Desktops](#) | [Business Laptops](#) | [Business Desktops](#) | [Workstations](#) | [Servers](#) | [Storage](#) | [Monitors](#) | [Printers](#) | [LCD TVs](#) | [Electronics](#)

[▲ Top](#)

[© 2008 Dell](#) | [About Dell](#) | [Terms of Sale](#) | [Unresolved Issues](#) | [Privacy](#) | [Contact](#) | [Site Map](#) | [Visit ID](#) | [Feedback](#)

sn CFG7



[Print this page](#) [Close](#)

Print Summary



PowerEdge 2900 III

Starting Price \$9,905
 Instant Savings \$200

Subtotal \$9,705

[Get Sales Help with Live Chat. **Chat Now!**](#)

Lease from **\$257/mo.** (48 pmts)¹

[0 Payments for 90 Days | Apply](#)

[Discount Details](#)

[Preliminary Ship Date: 1/16/2009](#)²

My Selections [All Options](#)

● **PowerEdge 2900 III**

Date	1/8/2009 12:13:30 PM Central Standard Time				
Catalog Number	4 Retail 04				
Catalog Number / Description	Product Code	Qty	SKU	Id	
PowerEdge 2900 III:					
Quad Core Intel® Xeon® X5470, 2X6MB Cache, 3.33GHz, 1333MHz FSB	29X33	1	[224-2657]	1	
Additional Processor:					
DISCOUNTED UPGRADE! Quad Core Intel® Xeon® X5470, 2X6MB Cache, 3.33GHz, 1333MHz FSB	F2PX33	1	[467-6909]	2	
Memory:					
8GB 667MHz (4x2GB), Dual Ranked DIMMs	8G4D6D	1	[311-6197]	3	
Operating System:					
Windows Server® 2003 R2, Enterprise Edition with SP2, Includes 25 CALs	3R23EE	1	[420-7119]	11	
Chassis Configuration:					
Tower Chassis Orientation	TOWER3	1	[313-5853]	28	
Primary Controller:					
FREE UPGRADE to PERC 6/i Integrated Controller Card	PERC6PP	1	[467-2724]	9	
Hard Drive Configuration:					
Integrated SAS/SATA RAID 10/1: Strpg Mirrored Sets Rknlane/MirroringFlexRay	6SR10R1	1	[341-5765]	27	

Primary Hard Drive: 146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 146A15 HotPlug Hard Drive		1	[341-3031]	8
2nd Hard Drive: 146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 146A15 HotPlug Hard Drive		1	[341-3031]	23
3rd Hard Drive: 146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 146A15 HotPlug Hard Drive		1	[341-3031]	54
4th Hard Drive: 146GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 146A15 HotPlug Hard Drive		1	[341-3031]	51
Flex Bay Hard Drive Cage: 1x2 Flex Bay	CAGE	1	[341-3045]	102
Flex Bay Primary Hard Drive: 73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 73SF15 FlexBay Hard Drive		1	[341-3790]	103
Flex Bay Second Hard Drive: 73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in 73SF15 FlexBay Hard Drive		1	[341-3790]	104
Power Cords: Power Cord, NEMA 5-15P to C14, 15 amp, w all plug, 10 feet / 3 meter	WL10FT	1	[310-8509]	38
Bezel: Tower Bezel Included	TBEZEL	1	[313-4363]	17
Power Supply: Redundant Power Supply with Y-Cord	RPSWY	1	[310-7405]	36
Network Adapter: Dual Embedded Broadcom® NetXtreme II 5708 Gigabit Ethernet NIC	OBNIC	1	[430-1764]	13
Optional Feature Upgrades for Integrated NIC Ports: LOM NICs are TOE Ready	TOE	1	[430-2968]	6
CD/DVD Drive: 16X DVD-ROM	16XSDVD	1	[313-5854]	16
Floppy Drive: No Floppy Drive	NOFD	1	[341-3052]	10
Keyboards, Mice, Displays and Related Devices: No Keyboard or Mouse Selected	NONE	1	[310-5017]	4
Documentation: Electronic Documentation and OpenManage DVD Kit	EDOCS	1	[310-7402]	21
Data Protection Offers: 3Yr BASIC SUPPORT: 5x10 HW-Only, 5x10 NBD Onsite	U3OS	1	[960-8852][960-8882][970-4650][984-1467][984-1469][990-1199]	29
Installation Services: No Installation Assessment	NOINSTL	1	[900-9997]	32



Offers subject to change, not combinable w ith all other offers. Taxes, shipping, handling and other fees apply. U.S. Dell Small Business new purchases only. LIMIT 5 DISCOUNTED OR PROMOTIONAL ITEMS PER CUSTOMER. LIMIT 5 VOSTRO UNITS PER CUSTOMER. Dell reserves right to cancel orders arising from pricing or other errors.

[Laptops](#) | [Desktops](#) | [Business Laptops](#) | [Business Desktops](#) | [Workstations](#) | [Servers](#) | [Storage](#) | [Monitors](#) | [Printers](#) | [LCD TVs](#)
| [Electronics](#)

[▲ Top](#)

[© 2008 Dell](#) | [About Dell](#) | [Terms of Sale](#) | [Unresolved Issues](#) | [Privacy](#) | [Contact](#) | [Site Map](#) | [Visit ID](#) | [Feedback](#)

sn CFG3



[Print this page](#) [Close](#)

Print Summary



PowerEdge R900

Starting Price \$23,711
 Instant Savings \$2,000

Subtotal \$21,711

[Get Sales Help with Live Chat. Chat Now!](#)

Lease from \$575/mo. (48 pmts)¹

[0 Payments for 90 Days | Apply](#)

[Discount Details](#)

[Preliminary Ship Date: 1/16/2009²](#)

My Selections **All Options**

● **PowerEdge R900**

Date	1/8/2009 3:30:28 PM Central Standard Time				
Catalog Number	4 Retail 04				
Catalog Number / Description	Product Code	Qty	SKU	Id	
PowerEdge R900: PowerEdge R900, 2x E7450 Xeon, Six Cores, 2.4GHz, 12M Cache, 1066Mhz FSB	907450	1	[224-0677]	1	
Additional Processor: Upgrade to Four Six Core E7450 Xeon, 2.4GHz, 12M Cache, 1066Mhz FSB	4P7450	1	[311-9171]	2	
Memory: 8GB Memory, 4x2GB, 667MHz	8G4D6D	1	[311-8156]	3	
Operating System: Windows Server®2003, Enterprise Edition, Includes 25 CALs, 2008 Media	WS3ENT	1	[421-0042]	11	
Operating System Additions: 50 Additional CALs for Windows 2003 Server (Standard or Enterprise)	W2K3L50	1	[420-4751]	19	
Backplane: 1X8 SAS Backplane, for 2.5 Inch SAS Hard Drives only, PowerEdge R900	1X825HD	1	[311-7861]	18	
External RAID Controllers: Internal PERC RAID Controller, RAID 1 / RAID 5 config	PRCR1R5	1	[341-5675][341-5699]	27	

Primary Hard Drive: 73GB, SAS, 2.5-inch, 15K RPM Hard Drive	73A1525	1	[341-4727]	8
2nd Hard Drive: 73GB, SAS, 2.5-inch, 15K RPM Hard Drive	73A1525	1	[341-4727]	23
3rd Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	51
4th Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	52
5th Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	54
6th Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	53
7th Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	71
8th Hard Drive: 146GB, SAS, 2.5-inch, 10K RPM Hard Drive	146A125	1	[341-4732]	72
Rack Rails: No Rack Rails included with system	NORAIL	1	[310-8807]	28
Bezel: PowerEdge R900 Active Bezel	BEZEL	1	[313-5828]	17
Power Cords: 2x Power Cord, C13 to C14, PDU Style, 10 amps, 10 feet / 3 meter	2PD10FT	1	[310-8511][310-8511]	38
Network Card: Four (4) Fully Integrated Broadcom® 5708 Gigabit NICs, TOE Capable	OBNICS	1	[430-8991]	13
TCP/IP Offload Engine Enablement: Integrated NICs are TOE Ready	TOE	1	[430-3224]	6
Optional Optical Drive: 8x DVD-ROM, Internal	DVD	1	[313-5884][330-0929]	16
Documentation: PowerEdge R900 Printed Documentation	EDOCS	1	[310-9844]	21
Hardware Support Services: 3Yr Basic Hardware Warranty Repair: 5x10 HW- Only, 5x10 NBD Onsite	U3OS	1	[984-5892][985-2000][989-0329][989-0348][989-0387]	29
Installation Services: No Installation	NOINSTL	1	[900-9997]	32



Print

Offers subject to change, not combinable with all other offers. Taxes, shipping, handling and other fees apply. U.S. Dell Small Business new purchases only. LIMIT 5 DISCOUNTED OR PROMOTIONAL ITEMS PER CUSTOMER. LIMIT 5 VOSTRO UNITS PER CUSTOMER. Dell reserves right to cancel orders arising from pricing or other errors.

1/8/2009

The Dell Online Store: Build Your System

[© 2008 Dell](#) | [About Dell](#) | [Terms of Sale](#) | [Unresolved Issues](#) | [Privacy](#) | [Contact](#) | [Site Map](#) | [Visit ID](#) | [Feedback](#)

sn CFG4