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| **SERVERS and UPS Products** |
| **CURRICULUM OFFER** |
| **Dell Computer Pty Ltd.**  **(ABN:4600 3855 561)** |
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**Current from January 2013**

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1. **What’s available**

The following table summarises the configurations of models available. Options to upgrade each model are provided below. More detailed technical specifications are included later in this schedule.

All purchase orders should include correct product codes and pricing from the list provided below.

| **Product Code** | **Product** | **Price $** | |
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| **Ex-GST** | **Inc-GST** |
|  | [**Dell Power Edge T320 Server**](http://www.dell.com/au/business/p/poweredge-t320/fs)(Small Server) |  |  |
| Q#19327921 | 1x Intel Xeon E5-2403 1.80GHz, 10M Cache, No Turbo, 4C, 80W, 8GB RDIMM, 1333 MHz, Low Volt, Dual Rank, x4 Bandwidth,2x 500GB 7.2K RPM SATA 3.5 " Hot Plug Hard Drive, 16x SATA DVD-ROM Drive for Ms 2008 R2, Single, Hot-plug Power Supply (1+0), 495W, Integrated Broadcom BCM5720 1000 Base-T Ethernet controller, dual ports, 4 Yr Next Business Day Onsite Service | $1700.00 | $1870.00 |
|  | [**Dell(TM) PowerEdge(TM) T620 Intel 2S Server**](http://www.dell.com/au/business/p/poweredge-t620/pd)(Large Server) |  |  |
| Q# 19327950 | Intel Xeon E5-2603 1.80GHz, 10M Cache, 6.4GT/s QPI, No Turbo, 4C, 80W, 16GB 4x4GB Memory (1x4GB) 1333MHz Dual Rank LV RDIMMs, 2x 600GB 3.5-inch 15K RPM,6Gbps SAS Hot Plug Hard Drives, 16x SATA DVD + / - RW Drive for Ms 2008 R2, Single, Hot-plug Power Supply (1+0), 750W, Dell(TM) E170S Entry 17 " Flat Panel LCD Monitor (Analog only), VFlash, 8GB SD Card for iDRAC6/7 Enterprise, Dell USB Optical Mouse, Usb Entry keyboard, iDRAC7 Enterprise, 4 Yr Next Business Day Onsite Service | $2695.00 | $2964.50 |
|  | [**Dell(TM) PowerEdge(TM) 12G R620 Rack Mount Server**](http://www.dell.com/au/business/p/poweredge-r620/pd)(Large Server Option Two) |  |  |
| Q#19327976 | 2x Intel Xeon E5-2620 2.00GHz, 15M Cache, 7.2GT/s QPI, Turbo, 6C 95W,32GB 8x 4GB Memory (1x4GB), 1333MHz, Dual Rank LV RDIMMs, 2x 300GB 15K RPM,6Gbps SAS 2.5 " Hot Plug Hard Drive, SAS 6Gbps HBA External Controller, Low Profile, PERC H710 Integrated RAID Controller, 512MB NV Cache, DVD ROM, SATA, Internal, Dual, Hot-plug, Redundant Power Supply (1+1), 750W, Intel Ethernet I350 QP 1Gb Network Daughter Card, Intel Ethernet I350 QP 1Gb Low Profile Server Adapter, VFlash, 8GB SD Card for iDRAC6 Enterprise, 4Yr ProSupport: NBD Onsite Service, Sliding rail & Cable management Arm. | $4199.00 | $4618.90 |
|  | [**Dell - Dell UPS**](http://dellups.com/configure-UPS.asp) |  |  |
| UPS Tower 1000W | Dell UPS Tower 1000W 230V (3 Yr Next Business Day Onsite Service) | $549.00 | $603.90 |
| UPS Rack 1000W | Dell UPS Rack 1000W 230V (3 Yr Next Business Day Onsite Service) | $599.00 | $658.90 |
| Rack 1920W 230V | Dell UPS Rack 1920W 230V (3 Yr Next Business Day Onsite Service) | $825.00 | $907.50 |
| UPS Rack 4200W | Dell UPS Rack 4200W 4U High Efficiency Online 230V(Hardwire Terminal Connections) | $1800.00 | $1980.00 |
| UPS Rack 5600W | Dell UPS Rack 5600W 4U 230V (Hardwire Terminal Connections) | $1900.00 | $2090.00 |
| UPS Network Card | Dell UPS Network Management Card | $169.00 | $185.90 |
|  | **Server upgrades** |  |  |
| **Support** | Upgrade to 4 years Pro Support NBD | $120.00 | $132.00 |
| **T310 Upgrade** | Dual, Hot-plug, Redundant Power Supply (1+1), 495W | $100.00 | $110.00 |
| **T620 Upgrade** | Dual, Hot-plug, Redundant Power Supply (1+1), 750W | $125.00 | $137.50 |

**2. How do I order?**

**Schools**

Orders for products should be faxed or emailed to DELL. Please ensure your purchase order contains a valid quote number, delivery address, contact name & number. It is best to follow up with an email or phone call to ensure I have received your order, to avoid delays.

**Placing an order via leasing:**

To process an order via a third party leasing company there is additional documents required. A letter from the leasing company stating that the funds are supplied by them to the school and that the invoice will be billed to them (Billing details required). In addition to this, Dell requires you to fill in a third party leasing to proceed.

**Dell Direct:**

Primary Schools:[Shammas\_Iftikhar@Dell.com](mailto:Shammas_Iftikhar@Dell.com) or call 02 8972 5252 Fax: 02 8972 6252

Secondary Schools: [kaine\_dennehy@dell.com](mailto:kaine_dennehy@dell.com) or call 02 8972 5161 Fax: 02 8972 6161

**Dell Accredited Education Reseller:**

**Dataflex Victoria Pty Ltd**

### Support Phone – 02 62951999 (Mellisa Willumsen)

### Support Email Address – [education@dataflex.com.au](mailto:education@dataflex.com.au)

### (Southern Regional Manager) 0427 104 065 Michael Cefai

### Email – [michael.cefai@dataflex.com.au](mailto:michael.cefai@dataflex.com.au)

**FAX :** 0262953400

**3. Obtaining hardware support**

**Schools**

Dell Technical Support for desktop and notebook computers is available 24x7 on 1800 060 889

The contract provides for next business day onsite warranty of the issue being logged with the supplier (excluding weekends and public holidays).

The desktop computer will be restored to full working order within twenty-four (24) elapsed hours of the initial arrival of the authorised technician (excluding weekends and public holidays)

DELL will ensure that products that are not able to be serviced on-site will be replaced with a product of similar or better capacity within twenty-four (24) elapsed hours of the initial arrival of the authorised technician (excluding weekends and public holidays)

DELL will ensure that products that are not able to be restored to full working order will be temporarily or permanently replaced by a product of similar or better capacity within forty eight (48) elapsed hours of the initial arrival of the authorised technician (excluding weekends and public holidays)

DELL will ensure that the restored or replaced product has been tested by the authorised technician prior to leaving the Customer’s site to the customer’s satisfaction, such that the product is able to be used for normal work purposes.

DELL will ensure the availability of the person placing a request for support (or his/her representative) before attending on site.

Hours of Service:

DELL will provide on site services during the Customer’s normal business hours. In the case of schools, this is generally between the hours of 8.30am and 3.30pm on each school day

DELL will to provide help desk services from 8:00am to 5.00pm from Monday to Friday for normal working days.

**For Staff (purchases for personal use)**

For all hardware enquiries call DELL on 1800 060 889 or register a support call at the following website <Http://support.ap.dell.com>

**4. Who do I contact if I have a query about the Contract?**

Enquiries relating to the contract with Dell Computers should be sent by email to the Information Technology Division, Contract Management Office by email [ict.contracts@edumail.vic.gov.au](mailto:ict.contracts@edumail.vic.gov.au)

**5. What is the Technical Specification of the Products?**

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| [**Dell Power Edge T320 Server**](http://www.dell.com/au/business/p/poweredge-t320/fs) **(Small Server)** | | | |
| Designed for a broad range of workloads and applications, the Dell PowerEdge T320 delivers performance, reliability and value in its 1-socket tower form factor. The PowerEdge T320 is an excellent fit for a wide range of general-purpose applications, such as file and print, email and messaging, productivity applications, data coordination and sharing. The T320’s feature set also fits the requirements of departments and workgroups of large enterprises and organizations. The robust design and simplified manageability make it a trustworthy server for small and medium businesses and for branch offices and remote sites that might not have technical IT skills onsite. | | | |
| **Feature** | | **PowerEdge T320 technical specification** | | | |
| **Form factor** | | Tower (5U rackable) | | | |
| **Processors** | | Intel® Xeon® processor E5-2400 product family  Intel Xeon processor E5-1410  Intel Pentium® processor 1400 product family | | | |
| **Processor sockets** | | 1 | | | |
| **Internal interconnect** | | Intel DMI 2.0 | | | |
| **Cache** | | 2.5MB per core; core options: 2, 4, 6, 8 | | | |
| **Chipset** | | Intel C600 series | | | |
| **Memory**1 | | Up to 96GB (6 DIMM slots): 2GB/4GB/8GB/16GB DDR3 up to 1600MHz | | | |
| **I/O slots** | | **5 PCIe slots:**  • One x16 slot with x16 bandwidth, full-length, full-height  • Two x8 slots with x4 bandwidth, half-length, full-height  • One x8 slot with x4 bandwidth, full-length, full-height  • One x8 slot with x1 bandwidth, full-length, full-height | | | |
| **GPU options** | | One NVIDIA® Quadro® 6000 or 4000 graphics card | | | |
| **RAID controller** | | **Internal controllers:**  PERC S110 (SW RAID)  PERC H310  PERC H710  PERC H710P | **Internal HBAs (non-RAID):**  Internal tape adapter  **External HBAs (RAID):**  PERC H810  **External HBAs (non-RAID):**  6Gbps SAS HBA | | |
| **Drive bays** | | Choose from four 3.5” cabled, eight 3.5” hot-plug, or sixteen 2.5” hot-plug drive bays | | | |
| **Maximum internal storage**1 | | Up to 24TB | | | |
| **Hard drives** | | **Hot-plug hard drive options:**  2.5” SATA, nearline SAS, SAS (15K, 10K), SAS SSD, SATA SSD  3.5” SATA, nearline SAS, SAS (15K)  Self-encrypting drives available |  | **Cabled hard drive options:**  3.5” SATA, nearline SAS, SAS (15K) | |
| **Embedded NIC** | | Broadcom® 5720 Dual Port 1Gb LOM | |  | |
| **I/O adapter options** | | **1Gb Ethernet:**  Broadcom 5720 Dual Port 1Gb NIC  Broadcom 5719 Quad Port 1Gb NIC  Intel I350 Dual Port 1Gb stand-up adapter  Intel I350 Quad Port 1Gb stand-up adapter | | **FC4 HBA:**  QLogic QLE2460 4Gb Single Port FC HBA  QLogic QLE2462 4Gb Dual Port FC HBA | |
| **Power supply** | | Platinum efficiency, hot-plug, redundant 495W or 750W power supply  Silver efficiency, cabled 350W power supply  Auto-ranging power supplies | | | |
| **Availability** | | Optional high-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; redundant fans; optional bezel; information tag; ECC memory; optional interactive LCD screen; extended thermal support; ENERGY STAR® compliant | | | |
| **Remote management** | | Basic management (default)  iDRAC7 with Lifecycle Controller  iDRAC7 Express (upgrade option) or iDRAC7 Enterprise (upgrade option)  8GB or 16GB vFlash media (upgrade options) | | | |
| **Systems management** | | IPMI 2.0 compliant  OpenManage™ Essentials and Dell Management Console  OpenManage Power Center  Dell OpenManage Connections:  • OpenManage Integration Suite for Microsoft® System Center  • Dell plug-in for VMware® vCenter®  • HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management (NSM) | | | |
| **Rack support** | | ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm | | | |
| **Operating systems** | | Microsoft Windows Server® 2008 R2 SP1, x64 (includes Hyper-V™ v2)  Microsoft Windows® Small Business Server 2011  SUSE® Linux® Enterprise Server  Red Hat® Enterprise Linux®  **Optional embedded hypervisors:**  Citrix® XenServer™  VMware vSphere™  For more information on the specific versions and additions, visit Dell.com/OSsupport. | | | |
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| [**Dell(TM) PowerEdge(TM) T620 Intel 2S Server**](http://www.dell.com/au/business/p/poweredge-t620/pd)**(Large Server)** |
| The Dell PowerEdge T620 is a feature-rich, 2-socket tower server with up to 24 DIMMs, storage capacity of up to 32 drive bays, and Intel® Xeon® E5-2600 processing power. The T620 shines in its ability to handle demanding virtualization environments with up to 16 processor cores and high memory density. The T620 is an excellent platform for key workloads such as databases, web serving, customer relationship management (CRM), desktop virtualization, medical imaging and security management. |

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| **Feature** | **PowerEdge T620 technical specification** | | |
| **Form factor** | Tower (5U rackable) | | |
| **Processors** | Intel® Xeon® processor E5-2600 product family | | |
| **Processor sockets** | 2 | | |
| **Internal interconnect** | 2 x Intel QuickPath Interconnect (QPI) links; 6.4 GT/s; 7.2 GT/s; 8.0 GT/s | | |
| **Cache** | 2.5MB per core; core options: 2, 4, 6, 8 | | |
| **Chipset** | Intel C600 | | |
| **Memory**1 | Up to 768GB (24 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MT/s | | |
| **I/O slots** | **7 PCIe slots:**  • Four x16 slots with x16 bandwidth, full-length, full-height  • Two x8 slots with x8 bandwidth, full-length, full-height  • One x8 slot with x4 bandwidth, full-length, full-height | | |
| **RAID controller** | **Internal controllers:**  PERC S110 (SW RAID)  PERC H310  PERC H710  PERC H710P | **External HBAs (RAID):**  PERC H810  **External HBAs (non-RAID):**  6Gbps SAS HBA | |
| **Drive bays** | Choose from eight 3.5” hot-plug drive bays plus four PCIe SSD drives (optional), twelve 3.5” hot-plug drive bays, sixteen 2.5” hot-plug drive bays plus four PCIe SSD drives (optional), or thirty-two 2.5” hot-plug drive bays | | |
| **Maximum internal storage**1 | Up to 36TB | | |
| **Hard drives** | **Hot-plug hard drive options:**  2.5” PCIe SSD, SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K)  3.5” nearline SAS (7.2K), SATA (7.2K), SAS (15K)  Self-encrypting drives available | | |
| **Embedded NIC** | Intel Dual Port 1GbE LOM | | |
| **Power supply** | Platinum efficiency 495W, 750W, or 1100W  Auto-ranging power supplies | | |
| **Availability** | High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; hot-plug redundant fan; optional bezel; luggage-tag; ECC memory; interactive LCD screen; extended thermal support; ENERGY STAR® compliant; extended power range; switch independent partitioning | | |
| **Remote management** | iDRAC7 with Lifecycle Controller  iDRAC7 Express (default), iDRAC7 Enterprise (upgrade)  8GB vFlash media (upgrade), 16GB vFlash media (upgrade) | | |
| **Systems management** | IPMI 2.0 compliant  Dell OpenManage™ Essentials and Dell Management Console  Dell OpenManage Power Center  Dell OpenManage Connections:  • Dell OpenManage Integration Suite for Microsoft® System Center  • Dell plug-in for VMware® vCenter™  • HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management | | |
| **Rack support** | ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm | | |
| **Operating systems** | Microsoft® Windows Server® 2008 R2 SP1, x64 (includes Hyper-V™ v2)  Microsoft Windows® Small Business Server 2011  SUSE® Linux® Enterprise Server  Red Hat® Enterprise Linux  **Optional embedded hypervisors:**  Citrix® XenServer™  VMware vSphere™  For more information on the specific versions and additions, visit Dell.com/OSsupport. | | |
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| [**Dell(TM) PowerEdge(TM) 12G R620 Rack Mount Server**](http://www.dell.com/au/business/p/poweredge-r620/pd) **(Large Server Option Two)** | | |
| Designed for exceptional performance on a wide range of applications, the Dell PowerEdge R620 rack server is an impressive general purpose platform that is perfect for data centers with space constraints. With its hyper-dense memory (up to 768GB in a 1U form factor) and powered by Intel® Xeon® E5-2600 processors, the R620 really shines when handling virtualization, high performance computing (HPC), and workgroup collaboration applications. | | |

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| **Feature** | **PowerEdge R620 technical specification** | |
| **Form factor** | 1U rack | |
| **Processors** | Intel® Xeon® processor E5-2600 product family | |
| **Processor sockets** | 2 | |
| **Internal interconnect** | 2 x Intel QuickPath Interconnect (QPI) links: 6.4 GT/s, 7.2 GT/s, 8.0 GT/s | |
| **Cache** | 2.5MB per core; core options: 2, 4, 6, 8 | |
| **Chipset** | Intel C600 | |
| **Memory**1 | Up to 768GB (24 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MT/s | |
| **I/O slots** | **3 PCIe slots:**  Two x16 slots with x16 bandwidth, half-height, half-length  One x16 slot with x8 bandwidth, half-height, half-length  (10-drive-bay configuration is available only with the 3 PCIe slot option)  **or**  **2 PCIe slots:**  One x16 slot with x16 bandwidth, full-height, 3/4 length  One x16 slot with x16 bandwidth (or x8 with one processor only), half-height, half-length | |
| **RAID controller** | **Internal controllers:**  PERC S110 (SW RAID)  PERC H310  PERC H710  PERC H710P | **External HBAs (RAID):**  PERC H810  **External HBAs (non-RAID):**  6Gbps SAS HBA |
| **Drive bays** | Up to ten 2.5” hot-plug SAS, SATA, or SSD or up to four hot-plug 2.5” SAS, SATA, or SSD + two PCIe SSD | |
| **Maximum internal storage**1 | Up to 10TB | |
| **Hard drives** | **Hot-plug hard drive options:**  2.5” PCIe SSD, SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K)  Self-encrypting drives available | |
| **Embedded NIC** | Broadcom® Quad Port 1GbE BASE-T (no TOE or iSCSI offload)  Intel Quad Port 1GbE BASE-T (no TOE or iSCSI offload)  Intel Dual Port 10GbE BASE-T + two 1GbE (FCoE capability enabled on 10GbE ports)  Broadcom Dual Port 10GbE SFP+ with two 1GbE (TOE and iSCSI offload available on 10GbE ports) | |
| **Power supply** | Platinum efficiency 495W, 750W or Platinum+ efficiency 1100W power supplies  Auto-ranging power supplies | |
| **Availability** | High-efficiency, hot-plug, redundant power supplies; hot-plug hard drives; TPM; dual internal SD support; hot-plug, redundant fans; optional bezel; luggage tag; ECC memory; interactive LCD screen; extended thermal support; ENERGY STAR® compliant; switch independent partitioning | |
| **Remote management** | iDRAC7 with Lifecycle Controller  iDRAC7 Express (default), iDRAC7 Enterprise (upgrade option), 8GB vFlash media (upgrade option), 16GB vFlash media (upgrade option) | |
| **Systems management** | IPMI 2.0 compliant  Dell OpenManage™ Essentials and Dell Management Console  Dell OpenManage Power Center  Dell OpenManage Connections:  • OpenManage Integration Suite for Microsoft® System Center  • Dell plug-in for VMware® vCenter™  • HP Operations Manager, IBM Tivoli® Netcool® , and CA Network and Systems Management | |
| **Rack support** | • ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm  • ReadyRails static rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post (Telco) racks | |
| **Operating systems** | Microsoft® Windows Server® 2008 R2 SP1, x64 (includes Hyper-V™ v2)  Microsoft Windows® HPC Server 2008  Microsoft Windows Small Business Server 2011  SUSE® Linux® Enterprise Server  Red Hat® Enterprise Linux  **Optional embedded hypervisors:**  Citrix® XenServer™  VMware vSphere™  For more information on the specific versions and additions, visit Dell.com/OSsupport. | |
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