

## Acer Tower 1 & 2 Way Server

Server ทุกรุ่น สามารถ Build to order  
ได้ตั้งแต่ 1 unit ขึ้นไป

Tower 1 Way Server  
Altos AT110 F4



Free Bundle keyboard and mouse (all Model)

Tower 2 Way Server  
Acer AT350 F3



\* Service by Acer Care เฉพาะกรุงเทพ & ปริมณฑล นอกพื้นที่โปรดติดต่อฝ่ายขาย

|                                      | <b>Altos T110 F4</b><br>ACR-USRBJST003   | <b>Altos T110 F4</b><br>ACR-USRBJST002   | <b>Altos T110 F4</b><br>ACR-USRBJST005   | <b>Altos T350 F3</b><br>ACR-USRBNST.072   |
|--------------------------------------|--|--|--|---|
| CPU Types                            | Intel® Xeon® E3-1230v5 Quad Core Processor (3.40GHz)   | Intel® Xeon® E3-1240v5 Quad Core Processor (3.50GHz)   | Intel® Xeon® E3-1220v5 Quad Core Processor (3.50GHz)   | Intel® Xeon® E5-2620v4 8-core (2.1 GHz, 20MB cache)   |
| CPU min., max.                       | 1  | 1  | 1  | 2   |
| CPU L2 Cache                         | 8MB L3 Cache   | 8MB L3 Cache   | 8MB L3 Cache   | 8GB (1x8GB) RDIMM   |
| Memory                               | 4GB (1x4GB)  | 8GB (1x8B)   | 8GB (1x8B)   | 128 MB shared video memory, 16 MB dedicated   |
| Memory Max. support                  | Unbuffered DDR3 1333 / 1600 MHz up to 32GB max (4 DIMM Slot)   | Unbuffered DDR3 1333 / 1600 MHz up to 32GB max (4 DIMM Slot)   | Unbuffered DDR3 1333 / 1600 MHz up to 32GB max (4 DIMM Slot)   | 3x PCI-E 3.0 x16 (Full-height, Full-length)<br>3x PCI-E 3.0 x8 (Full-height, Full-length)   |
| Graphics                             | Embedded Intel® HD Graphics P4600 (32MB)   | Embedded Intel® HD Graphics P4600 (32MB)   | Embedded Intel® HD Graphics P4600 (32MB)   |   |
| PCI Slots<br>(Total#,#,xxbit/xxxMHz) | "PCIe® 3.0 x16 (x16 connector)<br>PCIe® 2.0 x4 (x8 connector)<br>PCIe® 2.0 x1 (x8 connector)<br>PCIe® 2.0 x1 (x4 connector)"   | "PCIe® 3.0 x16 (x16 connector)<br>PCIe® 2.0 x4 (x8 connector)<br>PCIe® 2.0 x1 (x8 connector)<br>PCIe® 2.0 x1 (x4 connector)"   | PCIe® 3.0 x16 (x16 connector)<br>PCIe® 2.0 x4 (x8 connector)<br>PCIe® 2.0 x1 (x8 connector)<br>PCIe® 2.0 x1 (x4 connector)"  |   |
| Harddisk                             | <b>1x 2TB 3.5" SATA 7200 RPM</b>   | <b>2x 1TB 3.5" SATA 7200 RPM</b>   | <b>1x 1TB 3.5" SATA 7200 RPM</b>   | 2 x 500GB 3.5" Enterprise SATA 7200 RPM   |
| Std. HDD Controller                  | Integrated six-port SATA,<br>Support S/W RAID 0, 1, 5, 11  | Integrated six-port SATA,<br>Support S/W RAID 0, 1, 5, 11  | Integrated six-port SATA,<br>Support S/W RAID 0, 1, 5, 11  | SATA3 (6Gbps); RAID 0, 1, 5, 10   |
| Max. # Internal Disks                | -  | -  | -  | -   |
| H/W RAID Controller                  | 4 x 3.5" Non-Hot Plug bays for SAS,SATA HDD*   | 4 x 3.5" Non-Hot Plug bays for SAS,SATA HDD*   | 4 x 3.5" Non-Hot Plug bays for SAS,SATA HDD*   | 8 x 3.5" (or 2.5") Hot Plug bays for SAS,SATA HDD   |
| Optical device                       | DVDRW  | DVDRW  | DVDRW  | DVDRW   |
| Onboard Gigabit Ethernet             | Yes, Single  | Yes, Single  | Yes, Single  | Yes, Dual ports   |
| Redundant Power Supply               | No   | No   | No   | Yes   |
| From Factor                          | <b>Tower</b>   | <b>Tower</b>   | <b>Tower</b>   | 4U Rackmountable / Tower  |
| OS Support                           | Microsoft® Windows Server® 2012<br>Microsoft® Windows Server® 2008 R2 SP1<br>Red Hat® Enterprise Linux® 6.4<br>Red Hat® Enterprise Linux® 5.9<br>Novell® SUSE® Linux® Enterprise Server 11 SP3<br>VMware ESXi 5.0 update 1 | Microsoft® Windows Server® 2012<br>Microsoft® Windows Server® 2008 R2 SP1<br>Red Hat® Enterprise Linux® 6.4<br>Red Hat® Enterprise Linux® 5.9<br>Novell® SUSE® Linux® Enterprise Server 11 SP3<br>VMware ESXi 5.0 update 1 | Microsoft® Windows Server® 2012<br>Microsoft® Windows Server® 2008 R2 SP1<br>Red Hat® Enterprise Linux® 6.4<br>Red Hat® Enterprise Linux® 5.9<br>Novell® SUSE® Linux® Enterprise Server 11 SP3<br>VMware ESXi 5.0 update 1 | Windows Server2008, Windows Server 2008 R2,<br>Windows Server 2012, Windows Server2012R2<br>Red Hat® Enterprise Linux® 7<br>VMware ESXi™ 5.5U2" |
| Warranty                             | 3 Year warranty Part & Labor, 5x8,<br>Onsite Service NBD Thailand  | 3 Year warranty Part & Labor, 5x8,<br>Onsite Service NBD Thailand  | 3 Year warranty Part & Labor, 5x8,<br>Onsite Service NBD Thailand  | 3 Year warranty Part & Labor, 5x8,<br>Onsite Service NBD Thailand   |
| <b>SRP (Inc. Vat)</b>                | 30,800   | 34,200   | 29,200   | 77,900  |

Free bundle Keyboard and Mouse

Free bundle Keyboard and Mouse

Free bundle Keyboard and Mouse

Free bundle Keyboard and Mouse


## DELL PowerEdge : 1 Socket Tower Server



| Part Number                   | DEL-SNST30PRO   | DEL-SNST13020   | DEL-SNST33020  |
|-------------------------------|---|---|--|
| <b>Model</b>                  | Dell PowerEdge T30                                      | Dell PowerEdge T130   | Dell PowerEdge T330  |
| <b>Form Factor</b>            | MiniTower Chassis with up to 4, 3.5" Cabled Hard Drives | Chassis with up to 4, 3.5" Cabled Hard Drives                     | Chassis with up to 8, 3.5" Hot Plug Hard Drives, Tower Configuration |
| <b>Processor</b>              | Intel® Xeon® E3-1225v5                                  | Intel® Xeon® E3-1220 v6   | Intel® Xeon® E3-1220 v6  |
| <b>Processor Speed / Core</b> | 3.3GHz, 8MB Cache, 4Core/4T, Turbo, 80W                 | 3.0GHz, 8M cache, 4C/4T, turbo (72W)                              | 3.0GHz, 8M cache, 4C/4T, turbo (72W)                                 |
| <b>Memory</b>                 | 8GB DDR4 UDIMM, 2133 MT/s, ECC                          | 8GB UDIMM, 2400MT/s, Single Rank, x8 Data Width                   | 8GB UDIMM, 2400MT/s, Single Rank, x8 Data Width                      |
| <b>Network</b>                | 1 x Gigabit Ethernet                                    | On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)                     | On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)                        |
| <b>Harddisk</b>               | 1 x 1TB 7.2k Entry SATA 3.5 inch Cable                  | 2 x 1TB 7.2K RPM NLSAS 12Gbps 3.5in Cabled                        | 2 x 1TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug                    |
| <b>RAID Controller</b>        | Intel Rapid Storage Controller 12.0                     | PERC H330 RAID Controller   | PERC H330 RAID Controller  |
| <b>Optical Drive</b>          | DVD+/- RW, SATA   | DVD+/-RW, SATA, Internal  | DVD+/-RW, SATA, Internal   |
| <b>Power Supply</b>           | Single Cabled Power Supply, 290W                        | Single, Cabled Power Supply, 290W                                 | Dual, Hot-plug, Redundant Power Supply (1+1), 495W                   |
| <b>System Management</b>      | NA  | iDRAC8 Express, integrated Dell Remote Access Controller, Express | iDRAC8 Express, integrated Dell Remote Access Controller, Express    |
| <b>Warranty</b>               | 3Yr ProSupport: NBD Onsite Service                      | 3Yr ProSupport & Mission Critical: (7x24) Onsite Service          | 3Yr ProSupport & Mission Critical: (7x24) Onsite Service             |
| SRP <i>(Inc.Vat)</i>          | 27,178  | 46,117  | 55,600   |

# DELL PowerEdge : 2 Socket Tower Server



| Part Number                   | DEL-SNST430MLK   | DEL-SNST430ICT1  | DEL-SNST430ICT2   |
|-------------------------------|--|--|---|
| <b>Model</b>                  | PowerEdge T430   | PowerEdge T430   | PowerEdge T430  |
| <b>Form Factor</b>            | Chassis with up to 8, 3.5" Hot-Plug Hard Drives with PERC RAID, Tower, Casters for PowerEdge Tower Chassis | Chassis with up to 8, 3.5" Hot-Plug Hard Drives with PERC RAID, Tower, Casters for PowerEdge Tower Chassis | Chassis with up to 8, 3.5" Hot-Plug Hard Drives with PERC RAID, Tower, Casters for PowerEdge Tower Chassis  |
| <b>Processor</b>              | 1 x Intel® Xeon® E5-2603 v4  | 1 x Intel Xeon E5-2620 v4  | 2 x Intel® Xeon® E5-2640 v4   |
| <b>Processor Speed / Core</b> | 1.7GHz, 15MB Cache, 6C/6T, 85W, 1866MHz  | 2.1GHz, 20MB Cache, 8C/16T, 85W, 2133MHz   | 2.4GHz, 25MB Cache, 10C/20T, 90W, 2133MHz   |
| <b>Memory</b>                 | 16GB (1x16GB) RDIMM, 2400MT/s, Dual Rank, x8 Data Width  | 8GB RDIMM, 2133MT/s, Dual Rank, x8 Data Width  | 32GB (2x16GB) RDIMM, 2400 MT/s, Dual Rank, x8 Data Width  |
| <b>Network</b>                | Dual Gigabit Ethernet port   | Dual Gigabit Ethernet port   | Dual Gigabit Ethernet port  |
| <b>Harddisk</b>               | 2 x 2TB 7.2K RPM NLSAS 12Gbps 3.5in Hot-plug HDD   | 2 x 1TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive, 13G  | 4 x 1.2TB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive, 3.5in HYB CARR  |
| <b>RAID Controller</b>        | PERC H330 Integrated RAID Controller   | PERC H730 Controller, 1GB NV Cache   | PERC H730 Controller, 1GB NV Cache  |
| <b>Optical Drive</b>          | DVD+/-RW, SATA, Internal   | DVD+/-RW, SATA, Internal   | DVD+/-RW, SATA, Internal  |
| <b>Power Supply</b>           | Dual, Hot-plug, Redundant Power Supply (1+1), 495W   | Dual, Hot-plug, Redundant Power Supply (1+1), 750W   | Dual, Hot-plug, Redundant Power Supply (1+1), 750W  |
| <b>System Management</b>      | iDRAC8, Enterprise with vFlash 8GB SD  | iDRAC8, Enterprise with vFlash 8GB SD  | iDRAC8, Enterprise with vFlash 8GB SD   |
| <b>Warranty</b>               | 3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service  | 3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service  | 3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service   |
| SRP (Inc.Vat)                 | 96,407   | 103,897  | 204,477   |
| <b>Disti SKUs</b>             | <b>DEL-SNST630MLK18</b>  | <b>DEL-SNST630MLK</b>  | <p><b>PowerEdge tower servers</b></p> <p>Excellent performance, extensive capacity for growth, and simplified management</p>  <p>A portfolio of 1- and 2-socket tower servers that delivers powerful performance, extensive expandability and reliability, helping users to drive business success.</p> |
| <b>Model</b>                  | PowerEdge T630   | PowerEdge T630   |   |
| <b>Form Factor</b>            | Chassis with up to 18, 3.5" Hard Drives, Tower Configuration   | Chassis with up to 16, 2.5" Hard Drives, Tower Configuration   |   |
| <b>Processor</b>              | 1 x Intel® Xeon® E5-2620v4   | 1 x Intel® Xeon® E5-2620v4   |   |
| <b>Processor Speed / Core</b> | 2.1GHz, 20MB Cache, 8C/16T, 85W, 2133MHz   | 2.1GHz, 20M Cache, 8.0GT/s QPI, Turbo, HT, 8C/16T (85W) Max Mem 2133MHz                                    |   |
| <b>Memory</b>                 | 16GB (1x16GB) RDIMM, 2400 MT/s, Dual Rank, x8 Data Width   | 16GB (1x16GB) RDIMM, 2133 MT/s, Dual Rank, x4 Data Width   |   |
| <b>Network</b>                | Dual Gigabit Ethernet port   | Dual Gigabit Ethernet port   |   |
| <b>Harddisk</b>               | 3 x 2TB 7.2K RPM NLSAS 12Gbps 512n 3.5" Hot-plug Hard Drive  | 2 x 1TB 7.2K RPM Near-Line SAS 12Gbps 2.5in Hot-plug Hard Drive  |   |
| <b>RAID Controller</b>        | PERC H730P RAID Controller, 2GB NV Cache   | PERC H730P RAID Controller, 2GB NV Cache   |   |
| <b>Optical Drive</b>          | 16x SATA DVD-ROM Drive   | DVD+/-RW SATA Internal   |   |
| <b>Power Supply</b>           | Dual, Hot-plug, Redundant Power Supply (1+1), 750W   | Dual, Hot-plug, Redundant Power Supply (1+1), 750W   |   |
| <b>System Management</b>      | iDRAC8, Enterprise with vFlash 8GB SD  | iDRAC8, Enterprise with vFlash 8GB SD  |   |
| <b>Warranty</b>               | 3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service  | 3 Years ProSupport & Mission Critical: (7x24) 4-hour Onsite Service  |   |
| SRP (Inc.Vat)                 | 134,927  | 141,240  |   |

# 1 CPU Tower Server


**Think Server TS TS150**

LNV-70LVS00000


**System X3100M5**

IBM-54571A1

**System X3100M5**

IBM-54571A2

**System X3100M5**

IBM-54571A3

| P/N  | LNV-70LVS00000   | IBM-54571A1   | IBM-54571A2   | IBM-54571A3   |
|--|--|---|---|---|
| <b>CPU Types</b>                                 | Intel Xeon E3-1220v5 3.0GHz 84W  | Xeon 4C E3-1220v3 80W 3.1GHz  | Xeon 4C E3-1231v3 80W 3.4GHz  | Xeon 4C E3-1271v3 80W 3.6GHz  |
| <b>CPU Min., max</b>                             | 1  | 1   | 1   | 1   |
| <b>CPU L3 Cache</b>                              | 8MB  | 8MB L3 Cache  | 8MB L3 Cache  | 8MB L3 Cache  |
| <b>ECC Memory</b>                                | 1x8GB 1600MHz ECC UDIMM DDR3 <Up to 4 DIMMs, UDIMM DDR3 (32GB Max)>  | 1x 4GB 1600MHz std / Up to 32 GB with 4x 8 GB UDIMMs  | 1x 4GB 1600MHz std / Up to 32 GB with 4x 8 GB UDIMMs  | 1x 4GB 1600MHz std / Up to 32 GB with 4x 8 GB UDIMMs  |
| <b>Graphic</b>                                   | Intel HD Graphics integrated into a processor NVS 315 Graphic Adapter by NVIDIA 1600MHz  | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors  | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors  | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors  |
| <b>Bus Type</b>                                  |  | 1600 MHz  | 1600 MHz  | 1600 MHz  |
| <b>PCI Slot</b>                                  | Slot PCIe 3.0 x16 (x16-wired) x 1 / PCIe 3.0 x16 (x4-wired) x 1 / Slot PCIe 3.0 x1 (x1-wired) x 2  | Four PCI Express slots, PCIe 3.0 x16 / PCIe 3.0 x8 / PCIe 2.0 x8 / PCIe 2.0 x4  | Four PCI Express slots, PCIe 3.0 x16 / PCIe 3.0 x8 / PCIe 2.0 x8 / PCIe 2.0 x4  | Four PCI Express slots, PCIe 3.0 x16 / PCIe 3.0 x8 / PCIe 2.0 x8 / PCIe 2.0 x4  |
| <b>Harddisk</b>                                  | 1x1TB SATA 6Gb/s 3.5" NHS  | Simple Swap Sata with 1 TB bundle   | Simple Swap Sata with 1 TB bundle   | Hot Swap Sata with 1 TB bundle  |
| <b>Onboard RAID</b>                              | Integrated ThinkServer RAID 100 (0/1/5/10)   | C100 SW RAID  | C100 SW RAID  | ServerRAID M1115  |
| <b>Optical Drive</b>                             | DVD  | DVD-ROM   | DVD-ROM   | Multiburner (DVD-RW)  |
| <b>Diskette</b>                                  |  | USB only  | USB only  | USB only  |
| <b>Total, Hotswap</b>                            |  | 4 Bays (4x 3.5" SS)   | 4 Bays (4x 3.5" SS)   | 8 Bays (8x 2.5" HS)   |
| <b>Max, Internal disks</b>                       |  | SATA 12TB   | SATA 12TB   | SAS 9.6 TB / SATA 8 TB  |
| <b>Interfaces</b>                                |  | Two USB 3.0 ports on the front. Four USB 2.0 ports, one DB-15 video port, one DB-9 serial port, and Two RJ-45 GbE network ports on the rear. One internal USB port (for embedded hypervisor). | Two USB 3.0 ports on the front. Four USB 2.0 ports, one DB-15 video port, one DB-9 serial port, and Two RJ-45 GbE network ports on the rear. One internal USB port (for embedded hypervisor). | Two USB 3.0 ports on the front. Four USB 2.0 ports, one DB-15 video port, one DB-9 serial port, and Two RJ-45 GbE network ports on the rear. One internal USB port (for embedded hypervisor). |
| <b>Onboard Gigabit Ethernet, Redundant Power</b> | Intel AMT 9.0 with remote KVM (Xeon models) 1 x Integrated Gb Ethernet and 1 x Dual 1Gb Ethernet Adapter   | Integrated two-port Gigabit Ethernet (Broadcom BCM5717). One port is shared with the IBM Integrated Management Module (IMM)   | Integrated two-port Gigabit Ethernet (Broadcom BCM5717). One port is shared with the IBM Integrated Management Module (IMM)   | Integrated two-port Gigabit Ethernet (Broadcom BCM5717). One port is shared with the IBM Integrated Management Module (IMM)   |
| <b>Dimensions (units)</b>                        |  | Width: 18 cm Depth: 48 cm Height: 36.0 cm   | Width: 18 cm Depth: 48 cm Height: 36.0 cm   | Width: 18 cm Depth: 48 cm Height: 36.0 cm   |
| <b>Mechanical</b>                                | <b>Tower</b>   | <b>Tower</b>  | <b>Tower</b>  | <b>Tower</b>  |
| <b>Power Supply</b>                              | 1 x Fixed – 280 watt   | 350 Watts Fixed / 1   | 300 Watts Fixed / 1   | 430 Watts p/s   |
| <b>OS Support</b>                                | Microsoft Windows 10; Microsoft Windows Server 2012 R2 and 2012; Red Hat Enterprise Linux (RHEL) Server 6 and 7; SUSE Linux Enterprise Server (SLES) 11 and 12; VMware vSphere (ESXi) 5.5 and 6.0. | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).              | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).              | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).              |
| <b>Warranty</b>                                  | 3 Years onsite 9x5 NBD   | 3 Years on-site 24x7x4  | 3 Years on-site 24x7x4  | 3 Years on-site 24x7x4  |
| <b>SRP</b>                                       | 25,573   | 29,960  | 39,590  | 58,636  |

หมายเหตุ : \* กรณีต้องการใช้ Linux หรือ Netware ต้องตรวจดู Version ที่ IBM สามารถ Support ได้จาก <http://www.pc.ibm.com/US/compat/indexsp.html>

## 2 CPU Tower Server



### System X3100M5

IBM-5457F3A



### System X3500M5

IBM-5464I2C

### System X3500M5

LNV-5464PDD

### System X3500M5

LNV-5464PDE

| P/N  | IBM-5457F3A   | IBM-5464I2C  | LNV-5464PDD  | LNV-5464PDE  |
|--|---|--|--|--|
| <b>CPU Types</b>                                 | Xeon 4C E3-1271v3 80W 3.6GHz  | Xeon 6C E5-2620v3 85W 2.4GHz   | Xeon 6C E5-2620v3 85W 2.4GHz   | Xeon 8C E5-2630v3 85W 2.4GHz   |
| <b>CPU Min., max</b>                             | 1   | 1, option to 2   | 1, option to 2   | 2  |
| <b>CPU L3 Cache</b>                              | 8MB L3 Cache  | 15MB L3 Cache  | 15MB   | 20MB   |
| <b>ECC Memory</b>                                | 1x 4GB 1600MHz std / Up to 32 GB with 4x 8 GB UDIMMs  | 1x 16GB 1866MHz  | 1x16GB 1866MHz   | 2x16GB 1866MHz   |
| <b>Graphic</b>                                   | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors  | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors   | Matrox G200eR2 with 16 MB memory integrated into the IMM2.1. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors.  | Matrox G200eR2 with 16 MB memory integrated into the IMM2.1. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors.  |
| <b>Bus Type</b>                                  | 1600 MHz  | 1866 MHz   | 1866MHz  | 1866MHz  |
| <b>PCI Slot</b>                                  | Four PCI Express slots, PCIe 3.0 x16 / PCIe 3.0 x8 / PCIe 2.0 x8 / PCIe 2.0 x4  | Four PCIe 3.0 slots<br>Up to seven slots with two processors   | Three PCIe 3.0 slots Up to seven slots   | Three PCIe 3.0 slots Up to seven slots   |
| <b>Harddisk</b>                                  | -   | Hot Swap SAS / Sata  | Hot Swap SAS / Sata with 300GB x 2 unit bundle   | Hot Swap SAS / Sata with 600GB x 4 unit bundle   |
| <b>Onboard RAID</b>                              | ServeRAID M1115   | M1215 ( Raid 0 , 1 , 10 )  | SR M1215 ( Raid 0 , 1 , 5 , 10 )   | SR M1215 ( Raid 0 , 1 , 5 , 10 )   |
| <b>Optical Drive</b>                             | Multiburner (DVD-RW)  | DVD Rom  | DVD Rom  | DVD Rom  |
| <b>Diskette</b>                                  | USB only  | USB only   | USB Only   | USB Only   |
| <b>Total, Hotswap</b>                            | 8 Bays (8x 2.5" HS)   | 8x 2.5" HS / 32  | 8x 2.5" HS   | 8x 2.5" HS   |
| <b>Max, Internal disks</b>                       | SAS 9.6 TB / SATA 8 TB  | 57.6.4TB (32*1.8TB)  |  |  |
| <b>Interfaces</b>                                | Two USB 3.0 ports on the front. Four USB 2.0 ports, one DB-15 video port, one DB-9 serial port, and Two RJ-45 GbE network ports on the rear. One internal USB port (for embedded hypervisor). | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter |
| <b>Onboard Gigabit Ethernet, Redundant Power</b> | Integrated two-port Gigabit Ethernet (Broadcom BCM5717). One port is shared with the IBM Integrated Management Module (IMM)   | Up to four integrated Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard BCM5719 controller (two ports are enabled, and an additional two ports require the optional software FoD upgrade to enable them).   | Four integrated Gigabit Ethernet 1000BASE-T ports (RJ-45) based on Broadcom BCM5719 controller   | Four integrated Gigabit Ethernet 1000BASE-T ports (RJ-45) based on Broadcom BCM5719 controller   |
| <b>Dimensions (units)</b>                        | Width: 18 cm Depth: 48 cm Height: 36.0 cm   | Width: 21.8 cm, Depth: 68.4 cm, Height: 42.3 cm  | Width: 21.8 cm , Depth: 68.4 cm , Height: 42.3 cm  | Width: 21.8 cm , Depth: 68.4 cm , Height: 42.3 cm  |
| <b>Mechanical</b>                                | <b>Tower</b>  | Tower  | 5U Tower   | 5U Tower   |
| <b>Power Supply</b>                              | <b>430 Watts p/s</b>  | two redundant hot-swap 750W High Efficiency  | Two redundant hot-swap 550 Watts p/s   | Two redundant hot-swap 550 Watts p/s   |
| <b>OS Support</b>                                | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).              | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).   | Microsoft Windows Server 2016, 2012 R2, 2012 and 2008 R2 , Red Hat Enterprise Linux 6 and 7, SUSE Linux Enterprise Server 11 and 12, VMware vSphere (ESXi) 5.1, 5.5 and 6.0  | Microsoft Windows Server 2016, 2012 R2, 2012 and 2008 R2 Red Hat Enterprise Linux 6 and 7, SUSE Linux Enterprise Server 11 and 12, VMware vSphere (ESXi) 5.1, 5.5 and 6.0  |
| <b>Warranty</b>                                  | 3 Years on-site 24x7x4  | 3 Years on-site 24x7x4   | 3 year on-site 24x7x4  | 3 year on-site 24x7x4  |
| <b>SRP</b>                                       | 53,714  | 97,477   | 101,329  | 187,036  |

หมายเหตุ : \* กรณีต้องการใช้ Linux หรือ Netware ต้องตรวจสอบ  อย Version ที่ IBM  มารอก Support ได้จาก <http://www.pc.ibm.com/US/compat/indexsp.html>

## 2 CPU Tower Server

|  | <b>System X3500M5</b>  | <b>System X3500M5</b>  | <b>System X3500M5</b>  | <b>System X3500M5</b>  |
|--|--|--|--|--|
| P/N  | IBM-5464I3B  | IBM-5464I2B  | IBM-5464A2A  | IBM-5464F2A  |
| <b>CPU Types</b>                                 | Xeon 6C E5-2620v3 85W 2.4GHz   | Xeon 6C E5-2609v3 85W 1.9GHz   | Xeon 6C E5-2603v3 85W 1.6GHz   | Xeon 8C E5-2640v3 90W 2.6GHz   |
| <b>CPU Min., max</b>                             | 1, option to 2   | 1, option to 2   | 1, option to 2   | 1, option to 2   |
| <b>CPU L3 Cache</b>                              | 15MB L3 Cache  | 15MB L3 Cache  | 15MB L3 Cache  | 20MB L3 Cache  |
| <b>ECC Memory</b>                                | 1x 16GB 1866MHz  | 1x 8GB 1600MHz   | 1x 8GB 1600MHz   | 1x 16GB 1866MHz  |
| <b>Graphic</b>                                   | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors   | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors   | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors   | Matrox G200eR2 with 16 MB memory integrated into the IMM2. Maximum resolution is 1600x1200 at 75 Hz with 16 M colors   |
| <b>Bus Type</b>                                  | 1866 MHz   | 1600 MHz   | 1600 MHz   | 1866 MHz   |
| <b>PCI Slot</b>                                  | Four PCIe 3.0 slots<br>Up to seven slots with two processors   | Four PCIe 3.0 slots<br>Up to seven slots with two processors   | Four PCIe 3.0 slots<br>Up to seven slots with two processors   | Four PCIe 3.0 slots<br>Up to seven slots with two processors   |
| <b>Harddisk</b>                                  | Hot Swap SAS / SATA  | Hot Swap SAS / SATA  | Hot Swap SAS / SATA  | Hot Swap SAS / SATA  |
| <b>Onboard RAID</b>                              | M1215 ( Raid 0 , 1 , 10 )  | M1215 ( Raid 0 , 1 , 10 )  | M1215 ( Raid 0 , 1 , 10 )  | M1215 ( Raid 0 , 1 , 10 )  |
| <b>Optical Drive</b>                             | DVD Rom  | DVD Rom  | DVD Rom  | DVD Rom  |
| <b>Diskette</b>                                  | USB only   | USB only   | USB only   | USB only   |
| <b>Total, Hotswap</b>                            | 6x 3.5" HS / 12  | 8x 2.5" HS   | 8x 2.5" HS   | 8x 2.5" HS   |
| <b>Max, Internal disks</b>                       | 72TB (12*6TB)  | 16TB (2*8TB)   | 16TB (2*8TB)   | 16TB (2*8TB)   |
| <b>Interfaces</b>                                | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter | Front : Two USB 2.0 ports. Rear Four USB ports (two USB 2.0, two USB 3.0), one DB-15 video, one RJ-45 systems management, four RJ-45 GbE network ports, optional serial port. Internal : Two internal USB 3.0 ports (for embedded hypervisor and internal tape drive). Optional SD Media Adapter |
| <b>Onboard Gigabit Ethernet, Redundant Power</b> | Up to four integrated Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard BCM5719 controller (two ports are enabled, and an additional two ports require the optional software FoD upgrade to enable them).   | Up to four integrated Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard BCM5719 controller (two ports are enabled, and an additional two ports require the optional software FoD upgrade to enable them).   | Up to four integrated Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard BCM5719 controller (two ports are enabled, and an additional two ports require the optional software FoD upgrade to enable them).   | Up to four integrated Gigabit Ethernet 1000BASE-T RJ-45 ports with the onboard BCM5719 controller (two ports are enabled, and an additional two ports require the optional software FoD upgrade to enable them).   |
| <b>Dimensions (units)</b>                        | Width: 21.8 cm, Depth: 68.4 cm, Height: 42.3 cm  | Width: 21.8 cm, Depth: 68.4 cm, Height: 42.3 cm  | Width: 21.8 cm, Depth: 68.4 cm, Height: 42.3 cm  | Width: 21.8 cm, Depth: 68.4 cm, Height: 42.3 cm  |
| <b>Mechanical</b>                                | Tower  | Tower  | Tower  | Tower  |
| <b>Power Supply</b>                              | two redundant hot-swap 750W High Efficiency  | two redundant hot-swap 750W High Efficiency  | 550W Power Supply  | 750W Power Supply  |
| <b>OS Support</b>                                | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).   | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).   | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).   | Microsoft Windows Server 2012 R2, 2012, and 2008 R2, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 11, VMware vSphere 5.5 (ESXi) and VMware vSphere 5.1 (ESXi).   |
| <b>Warranty</b>                                  | 3 Years on-site 24x7x4   | 3 Years on-site 24x7x4   | 3 Years on-site 24x7x4   | 3 Years on-site 24x7x4   |
| <b>SRP</b>                                       | 97,477   | 88,382   | 87,847   | 145,948  |

หมายเหตุ : \* กรณีต้องการใช้ Linux หรือ Netware ต้องตรวจดู Version ที่ IBM สามารถ Support ได้จาก <http://www.pc.ibm.com/US/compat/indexsp.html>

**Tower : 1 CPU**

Server HP มี Onsite Service ทุกรุ่น  
สอบถามรายละเอียด โทร. 02-118-6300



**HP Proliant ML10 Gen9**  
HPE-845678-375



**HP Proliant ML110 Gen9**  
HPE-838502-371



**HPE ML30 Gen9**  
HPE-830893-371



**HPE ProLiant ML150 Gen9**  
HPE-834607-371

|  |  |  |  |  |
|--|--|--|--|--|
| <b>CPU Types</b>                                 | Intel® Xeon® E3-1225v5<br>(3.3GHz/4-core/8MB/80W) Processor  | Intel Xeon E5-2603v4<br>(1.7GHz/6-core/15MB/85W) Processor                                     | E3-1240v5 (3.5GHz/4-core/8MB/80W)  | (1) Intel® Xeon® E5-2609v4<br>(1.7GHz/8-core/85W/20MB) Processor                                   |
| <b>CPU Min., max</b>                             | 1  | 1  | 1  | 1  |
| <b>CPU L3 Cache</b>                              | 8MB  | 15MB   | 8MB L3 Cache   | 20MB   |
| <b>ECC Memory</b>                                | 8GB (1x8GB DDR-4 UDIMMs, 2133 MHz)   | 8GB (1x8GB Registered DIMMs, 2400 MHz)   | 8GB (1x8GB UDIMMs, 2133 MHz)   | 8GB (1x8GB Registered DIMMs, 2400 MHz)   |
| <b>Graphic</b>                                   | GPU Support (Xeon Only)  | Integrated Matrox G200 video standard  | integrated Matrox G200 video standard  | Integrated Matrox G200 video standard  |
| <b>PCI Slot</b>                                  | 4 PCIe 3.0 slots   | 4 PCIe 3.0 slots   | 4 PCIe 3.0 slots   | 4 PCIe 3.0 slots   |
| <b>Harddisk</b>                                  | 1x1TB SATA drive and 3 LFF hard drive blanks   | 4 LFF HDD Bays (Non Hot Plug)  | 4LFF SATA  | 4 LFF HDD Bays   |
| <b>Onboard RAID</b>                              | Intel RST SATA RAID Controller (RAID 0/1/10, 5)  | HPE Dynamic Smart Array B140i  | HP Dynamic Smart Array B140i Controller<br>(RAID 0/1/5)  | HPE Dynamic Smart Array B140i  |
| <b>Optical Drive</b>                             | SATA DVD-RW  | 1; (Optional: DVD-ROM, DVD-RW)   | NA   | 1; (Optional: DVD-ROM, DVD-RW)   |
| <b>Total, Hotswap</b>                            | 4 LFF Non-hot plug SATA 3.5" drives  | 4 LFF Non-hot plug SATA 3.5" drives  | 4LFF SATA  | 4 LFF HDD Bays   |
| <b>Max, Internal disks</b>                       | 24TB   | 16TB   | 32TB   | 32TB   |
| <b>Interfaces</b>                                | Display Port 2 (rear),RJ-45 1(rear),USB 3.0 4 (4 rear) ,USB 2.0 3(2 front ,1 internal)             | Video1 (rear),Network RJ-45 (Ethernet) 2,USB 3.0,USB 2.0                                       | Video 1 (rear),Network RJ-45 2 ,Micro SD Slot 1,USB 3.0 6 Port, USB 2.0 4 Port                                 | Video1 (rear),Network RJ-45 (Ethernet) 2 ,USB 3.0,USB 2.0  |
| <b>Onboard Gigabit Ethernet, Redundant Power</b> | Intel® Ethernet Connection I219-LM (1Gb)   | Broadcom 5717 Dual-port 1GbE   | Network RJ-45 2  | Broadcom 5717 Dual-port 1GbE   |
| <b>Dimensions (units)</b>                        | Height 36.76 x Width17.5 x Depth 40.13 cm  | (Height 44 x Width19.5 x Depth 48.05 cm)   | (Height 36.82 x Width17.5 x Depth 47.52 cm)  | (Height 43.26 x Width20 x Depth 62 cm)   |
| <b>Mechanical</b>                                | <b>Tower</b>   | <b>Tower</b>   | <b>Tower</b>   | <b>Tower</b>   |
| <b>Power Supply</b>                              | 300W Multi-Output Power Supply   | (1) 350W ATX Power Supply  | 1x460W Redundant Power Supply  | (1) HPE 550W FIO Power Supply  |
| <b>OS Support</b>                                | Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)<br>SUSE Linux Enterprise Server (SLES) | Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES) | "Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)<br>SUSE Linux Enterprise Server (SLES)<br>Vmware" | Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)<br>SUSE Linux Enterprise Server (SLES) |
| <b>Warranty</b>                                  | HP 3 Years NBD ML10 H/W Support<br>standar warranty 1/1/1  | 3-Years Parts, 1-Year Labor, 1-Year Onsite support<br>with next business day response          | HP 3 Years NBD H/W Support<br>3/1/1  | includes 3-Years Parts, 3-Years Labor, 3-Years<br>Onsite support with next business day response   |
| <b>SRP (Inc. Vat)</b>                            | <b>22,400</b>  | <b>40,553</b>  | <b>46,886</b>  | <b>53,286</b>  |
|  |  |  |  |  |



**Tower : 2 CPU**

Server HP มี Onsite Service ทั่วประเทศ  
 สอบถามรายละเอียด โทร. 02-118-6300



**HP ProLiant ML350 Gen9**  
 HPE-835262-371



**HP ProLiant ML350 Gen9**  
 HPE-835263-371

**HPE ProLiant ML110 Gen9**  
 HPE-776934-B21#ICT

**HPE ProLiant ML110 Gen9**  
 HPE-776935-B21#ICT

| CPU Types                                 | Intel® Xeon® E5-2609v4<br>(1.7GHz/8-core/20MB/85W)   | Intel® Xeon® E5-2620v4<br>(2.1GHz/8-core/20MB/85W)   | Intel Xeon E5-2620v4<br>(2.1GHz/8-core/20MB/85W) Processor                                     | Intel Xeon E5-2620v4<br>(2.1GHz/8-core/20MB/85W) Processor                                     |
|---|--|--|--|--|
| CPU Min., max                             | 1, option to 2   | 1, option to 2   | 1  | 1  |
| CPU L3 Cache                              | 20MB   | 20MB   | 20MB   | 20MB   |
| ECC Memory                                | 8GB (1x8GB Registered DIMMs, 2400 MHz)   | 16GB (1x16GB Registered DIMMs, 2400 MHz)   | 8GB (1x8GB Registered DIMMs, 2400 MHz)   | 8GB (1x8GB Registered DIMMs, 2400 MHz)   |
| Graphic                                   | Integrated Matrox G200 video standard  | Integrated Matrox G200 video standard  | Integrated Matrox G200 video standard  | Integrated Matrox G200 video standard  |
| PCI Slot                                  | 4 PCIe 3.0 slots   | 4 PCIe 3.0 slots   | 5 PCIe 3.0 slots   | 5 PCIe 3.0 slots   |
| Harddisk                                  | 8 LFF HDD Bays   | (8) Hot plug SFF SAS/SATA HDD  | HPE 1TB 6G SATA 7.2K LFF MDL SC HDD x 2  | HP 300GB 12G SAS 10K 2.5in SC ENT HDD x 2  |
| Onboard RAID                              | HPE Dynamic Smart Array B140i  | HP Smart Array P440ar/2G Controller<br>(RAID 0,1,10, 5, 50, 6, 60)                               | HPE Dynamic Smart Array B140i  | HP H240 FIO Smart HBA  |
| Optical Drive                             | 1; (Optional: DVD-ROM, DVD-RW)   | 1; (Optional: DVD-ROM, DVD-RW)   | HP 9.5mm SATA DVD-ROM Jb Gen9 Kit x 1  | HP 9.5mm SATA DVD-ROM Jb Gen9 Kit x 1  |
| Total, Hotswap                            | 8 LFF HDD Bays   | (8) Hot plug SFF SAS/SATA HDD  | 4 LFF hot plug SATA 3.5" drives  | 4 LFF hot plug SATA 3.5" drives  |
| Max, Internal disks                       | 64TB   | 16TB   | 40TB   | 40TB   |
| Interfaces                                | Video1 (rear),Network RJ-45 (Ethernet) 2,USB 3.0,USB 2.0   | Video1 (rear),Network RJ-45 (Ethernet) 2,USB 3.0,USB 2.0   | Video1 (rear),Network RJ-45 (Ethernet) 2,USB 3.0,USB 2.0                                       | Video1 (rear),Network RJ-45 (Ethernet) 2,USB 3.0,USB 2.0                                       |
| Onboard Gigabit Ethernet, Redundant Power | HPE Embedded 1Gb Ethernet 4-port 331i Adapter  | HPE Embedded 1Gb Ethernet 4-port 331i Adapter  | Broadcom 5717 Dual-port 1GbE   | Broadcom 5717 Dual-port 1GbE   |
| Dimensions (units)                        | Height 46.4 x Width21.9 x Depth 76.9 cm  | Height 46.4 x Width21.9 x Depth 76.9 cm  | (Height 44 x Width19.5 x Depth 48.05 cm)   | (Height 44 x Width19.5 x Depth 48.05 cm)   |
| Mechanical                                | Tower  | Tower  | Tower  | Tower  |
| Power Supply                              | (1) HPE 500W Flex Slot Platinum Power Supply   | (1) HPE 500W Flex Slot Platinum Power Supply   | HPE 750W CS Gold Ht Plg Pwr Supply Kit X 1   | HPE 750W CS Gold Ht Plg Pwr Supply Kit X 1   |
| OS Support                                | "Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)" | "Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)" | Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES) | Microsoft Windows Server<br>Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES) |
| Warranty                                  | 3-Years Parts, 3-Years Labor, 3-Years Onsite support with next business day response             | 3-Years Parts, 3-Years Labor, 3-Years Onsite support with next business day response             | 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.             | 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.             |
| SRP (Inc. Vat)                            | <b>83,246</b>  | <b>95,979</b>  | <b>80,250</b>  | <b>88,275</b>  |
| <b>PROMOTION</b>                          |  |  |  |  |