

Acer Tower 1 CPU Server

Tower 1 CPU Server
Altos AT110 F4

Server ทุกรุ่น สามารถ Build to order
ได้ตั้งแต่ 1 unit ขึ้นไป



Free Bundle keyboard and mouse (all Model)

* Service by Acer Care เฉพาะกรุงเทพฯ & ปริมณฑล นอกพื้นที่โปรดติดต่อฝ่ายขาย

	Altos T110 F4 ACR-USRBJST001	Altos T110 F4 ACR-USRBJST003	Altos T110 F4 ACR-USRBJST002	Altos T110 F4 ACR-USRBJST005
CPU Types	Intel® Xeon® E3-1220v5 Quad Core Processor (3.0GHz)	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)
CPU min., max.	1	1	1	1
CPU L2 Cache	8MB L3 Cache	8MB L3 Cache	8MB L3 Cache	8MB L3 Cache
Memory	4GB (1x4GB)	4GB (1x4GB)	8GB (1x8B)	8GB (1x8B)
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)	Unbuffered DDR3 1333 / 1600 MHz up to 32GB max (4 DIMM Slot)
Graphics	Embedded Intel® HD Graphics P4600 (32MB)	Embedded Intel® HD Graphics P4600 (32MB)	Embedded Intel® HD Graphics P4600 (32MB)	Embedded Intel® HD Graphics P4600 (32MB)
PCI Slots (Total#,#,xxbit/xxxMHz)	"PCIe® 3.0 x16 (x16 connector) PCIe® 2.0 x4 (x8 connector) PCIe® 2.0 x1 (x8 connector) PCIe® 2.0 x1 (x4 connector)"	"PCIe® 3.0 x16 (x16 connector) PCIe® 2.0 x4 (x8 connector) PCIe® 2.0 x1 (x8 connector) PCIe® 2.0 x1 (x4 connector)"	"PCIe® 3.0 x16 (x16 connector) PCIe® 2.0 x4 (x8 connector) PCIe® 2.0 x1 (x8 connector) PCIe® 2.0 x1 (x4 connector)"	PCIe® 3.0 x16 (x16 connector) PCIe® 2.0 x4 (x8 connector) PCIe® 2.0 x1 (x8 connector) PCIe® 2.0 x1 (x4 connector)
Harddisk	1x 1TB 3.5" SATA 7200 RPM	1x 2TB 3.5" SATA 7200 RPM	2x 1TB 3.5" SATA 7200 RPM	1x 1TB 3.5" SATA 7200 RPM
Std. HDD Controller	Integrated six-port SATA, Support S/W RAID 0, 1, 5, 11	Integrated six-port SATA, Support S/W RAID 0, 1, 5, 11	Integrated six-port SATA, Support S/W RAID 0, 1, 5, 11	Integrated six-port SATA, Support S/W RAID 0, 1, 5, 11
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*	4 x 3.5" Non-Hot Plug bays for SAS,SATA HDD*
Optical device	DVDRW	DVDRW	DVDRW	DVDRW
Onboard Gigabit Ethernet	Yes, Single	Yes, Single	Yes, Single	Yes, Single
Redundant Power Supply	No	No	No	No
Form Factor	Tower	Tower	Tower	Tower
OS Support	Microsoft® Windows Server® 2012 Microsoft® Windows Server® 2008 R2 SP1 Red Hat® Enterprise Linux® 6.4 Red Hat® Enterprise Linux® 5.9 Novell® SUSE® Linux® Enterprise Server 11 SP3 VMware ESXi 5.0 update 1	Microsoft® Windows Server® 2012 Microsoft® Windows Server® 2008 R2 SP1 Red Hat® Enterprise Linux® 6.4 Red Hat® Enterprise Linux® 5.9 Novell® SUSE® Linux® Enterprise Server 11 SP3 VMware ESXi 5.0 update 1	Microsoft® Windows Server® 2012 Microsoft® Windows Server® 2008 R2 SP1 Red Hat® Enterprise Linux® 6.4 Red Hat® Enterprise Linux® 5.9 Novell® SUSE® Linux® Enterprise Server 11 SP3 VMware ESXi 5.0 update 1	Microsoft® Windows Server® 2012 Microsoft® Windows Server® 2008 R2 SP1 Red Hat® Enterprise Linux® 6.4 Red Hat® Enterprise Linux® 5.9 Novell® SUSE® Linux® Enterprise Server 11 SP3 VMware ESXi 5.0 update 1
Warranty	3 Year warranty Part & Labor, 5x8, Onsite Service NBD Thailand	3 Year warranty Part & Labor, 5x8, Onsite Service NBD Thailand	3 Year warranty Part & Labor, 5x8, Onsite Service NBD Thailand	3 Year warranty Part & Labor, 5x8, Onsite Service NBD Thailand
SRP (Inc. Vat)	29,425	33,598	35,000	29,960
	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
	Model	Dell PowerEdge T30	Dell PowerEdge T130	Dell PowerEdge T330
	Form Factor	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
	Processor	Intel® Xeon® E3-1225v5	Intel® Xeon® E3-1220 v6	Intel® Xeon® E3-1220 v6
	Processor Speed / Core	3.3GHz, 8MB Cache, 4Core/4T, Turbo, 80W	3.0GHz, 8M cache, 4C/4T, turbo (72W)	3.0GHz, 8M cache, 4C/4T, turbo (72W)
	Memory	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
	Network	1 x Gigabit Ethernet	On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)	On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)
	Harddisk	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
	RAID Controller	Intel Rapid Storage Controller 12.0	PERC H330 RAID Controller	PERC H330 RAID Controller
	Optical Drive	DVD+/- RW, SATA	DVD+/-RW, SATA, Internal	DVD+/-RW, SATA, Internal
	Power Supply	Single Cabled Power Supply, 290W	Single, Cabled Power Supply, 290W	Dual, Hot-plug, Redundant Power Supply (1+1), 495W
	System Management	NA	iDRAC8 Express, integrated Dell Remote Access Controller, Express	iDRAC8 Express, integrated Dell Remote Access Controller, Express
	Warranty	3Yr ProSupport: NBD Onsite Service	3Yr ProSupport & Mission Critical: (7x24) Onsite Service	3Yr ProSupport & Mission Critical: (7x24) Onsite Service
	SRP (Inc.Vat)	26,643	45,475	58,850



	Disti SKUs	DEL-SNST130220	Del-SNST33040
	Model	Dell PowerEdge T130	Dell PowerEdge T330
	Form Factor	Chassis with up to 4, 3.5" Cabled Hard Drives	Chassis with up to 8, 3.5" Hot Plug Hard Drives, Tower Configuration
	Processor	Intel® Xeon® E3-1220 v5	Intel® Xeon® E3-1240 v5
	Processor Speed / Core	3.0GHz, 8M cache, 4C/4T, turbo (80W)	3.5GHz, 8M cache, 4C/8T, turbo (80W)
	Memory	8GB UDIMMs, 2133MT/s, ECC	8GB UDIMMs, 2133MT/s, ECC
	Network	On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)	On-Board LOM 1GBE Dual Port (BCM5720 GbE LOM)
	Harddisk	2 x 1TB 7.2K RPM SATA 6Gbps 3.5in Cabled Hard Drive	1 x 2TB 7.2K RPM NLSAS 12Gbps 3.5in Hot-plug Hard Drive
	RAID Controller	PERC H330 RAID Controller	PERC H330 RAID Controller
	Optical Drive	DVD+/-RW, SATA, Internal	DVD+/-RW, SATA, Internal
	Power Supply	Single, Cabled Power Supply, 290W	Dual, Hot-plug, Redundant Power Supply (1+1), 495W
	System Management	iDRAC8, Basic	iDRAC8 Express, integrated Dell Remote Access Controller, Express
	Warranty	3Yr ProSupport: Next Business Day Onsite Service	3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service
	SRP (Inc.Vat)	37,985	55,640

PowerEdge tower servers

Excellent performance, extensive capacity for growth, and simplified management



A portfolio of 1- and 2-socket tower servers that delivers powerful performance, extensive expandability and reliability, helping users to drive business success.

DELL PowerEdge : 2 Socket Tower Server



Part Number	DEL-SNST430MLK	DEL-SNST430ICT1	DEL-SNST430ICT2
Model	PowerEdge T430	PowerEdge T430	PowerEdge T430
Form Factor	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
Processor	1 x Intel® Xeon® E5-2603 v4	1 x Intel Xeon E5-2620 v4	2 x Intel® Xeon® E5-2640 v4
Processor Speed / Core	1.7GHz, 15MB Cache, 6C/6T, 85W, 1866MHz	2.1GHz, 20MB Cache, 8C/16T, 85W, 2133MHz	2.4GHz, 25MB Cache, 10C/20T, 90W, 2133MHz
Memory	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
Network	Dual Gigabit Ethernet port	Dual Gigabit Ethernet port	Dual Gigabit Ethernet port
Harddisk	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
RAID Controller	PERC H330 Integrated RAID Controller	PERC H730 Controller, 1GB NV Cache	PERC H730 Controller, 1GB NV Cache
Optical Drive	DVD+/-RW, SATA, Internal	DVD+/-RW, SATA, Internal	DVD+/-RW, SATA, Internal
Power Supply	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
System Management	iDRAC8, Enterprise with vFlash 8GB SD	iDRAC8, Enterprise with vFlash 8GB SD	iDrac8, Enterprise with vFlash 8GB SD
Warranty	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)	95,230	103,255	202,230
Disti SKUs	DEL-SNST630MLK18	DEL-SNST430IT2	DEL-SNST630MLK
Model	PowerEdge T630	PowerEdge T430	PowerEdge T630
Form Factor	Chassis with up to 18, 3.5" Hard Drives, Tower Configuration	Chassis with up to 8, 3.5" Hot-Plug Hard Drives with PERC Raid, Tower configuration	Chassis with up to 16, 2.5" Hard Drives, Tower Configuration
Processor	1 x Intel® Xeon® E5-2620v4	2 x Intel® Xeon® E5-2630 v3	1 x Intel® Xeon® E5-2620v4
Processor Speed / Core	2.1GHz, 20MB Cache, 8C/16T, 85W, 2133MHz	2.4GHz, 8-Core, 20MB Cache, 85W	2.1GHz,20M Cache,8.0GT/s QPI,Turbo,HT,8C/16T (85W) Max Mem 2133MHz
Memory	16GB (1x16GB) RDIMM, 2400 MT/s, Dual Rank, x8 Data Width	32GB (2x16GB) RDIMM, 2133 MT/s, Dual Rank, x4 Data Width	16GB (1x16GB) RDIMM, 2133 MT/s, Dual Rank, x4 Data Width
Network	Dual Gigabit Ethernet port	Dual Gigabit Ethernet port	Dual Gigabit Ethernet port
Harddisk	3 x 2TB 7.2K RPM NLSAS 12Gbps 512n 3.5"Hot-plug Hard Drive	4 x 1.2TB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive,3.5in HYB CARR	2 x 1TB 7.2K RPM Near-Line SAS 12Gbps 2.5in Hot-plug Hard Drive
RAID Controller	PERC H730P RAID Controller, 2GB NV Cache	PERC H730 Controller, 1GB NV Cache	PERC H730P RAID Controller, 2GB NV Cache
Optical Drive	16x SATA DVD-ROM Drive	DVD+/-RW, SATA, Internal	DVD+/-RW SATA Internal
Power Supply	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
System Management	iDrac8, Enterprise with vFlash 8GB SD	iDrac8, Enterprise with vFlash 8GB SD	iDrac8, Enterprise with vFlash 8GB SD
Warranty	3Yr ProSupport & Mission Critical: (7x24) 4-hour Onsite Service	3 Years ProSupport & Mission Critical: (7x24) 4-hour Onsite Service	3 Years ProSupport & Mission Critical: (7x24) 4-hour Onsite Service
SRP (Inc. Vat)	133,750	158,360	141,240

1 CPU Tower Server



Think Server TS TS150



System X3100M5

System X3100M5

System X3100M5

P/N	LNV-70LVS00000	IBM-54571A1	IBM-54571A2	IBM-54571A3
CPU Types	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
CPU Min., max	1	1	1	1
CPU L3 Cache	8MB	8MB L3 Cache	8MB L3 Cache	8MB L3 Cache
ECC Memory	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
Graphic	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
Bus Type		1600 MHz	1600 MHz	1600 MHz
PCI Slot	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
Harddisk	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
Onboard RAID	Integrated ThinkServer RAID 100 (0/1/5/10)	C100 SW RAID	C100 SW RAID	ServerRAID M1115
Optical Drive	DVD	DVD-ROM	DVD-ROM	Multiburner (DVD-RW)
Diskette		USB only	USB only	USB only
Total, Hotswap		4 Bays (4x 3.5" SS)	4 Bays (4x 3.5" SS)	8 Bays (8x 2.5" HS)
Max, Internal disks		SATA 12TB	SATA 12TB	SAS 9.6 TB / SATA 8 TB
Interfaces		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).
Onboard Gigabit Ethernet, Redundant Power	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)
Dimensions (units)		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
Mechanical	Tower	Tower	Tower	Tower
Power Supply	1 x Fixed – 280 watt	350 Watts Fixed / 1	300 Watts Fixed / 1	430 Watts p/s
OS Support	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).
Warranty	3 Years onsite 9x5 NBD	3 Years on-site 24x7x4	3 Years on-site 24x7x4	3 Years on-site 24x7x4
SRP	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>

TOWER SERVERS

SUGGESTED RETAIL PRICE : May 2017

2 CPU Tower Server



System X3100M5

System X3500M5

System X3500M5

System X3500M5

P/N	IBM-5457F3A	IBM-5464I2C	LVN-5464PDD	LVN-5464PDE
CPU Types	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
CPU Min., max	1	1, option to 2	1, option to 2	2
CPU L3 Cache	8MB L3 Cache	15MB L3 Cache	15MB	20MB
ECC Memory	1x 4GB 1600MHz std / Up to 32 GB with 4x 8 GB UDIMMs	1x 16GB 1866MHz	1x16GB 1866MHz	2x16GB 1866MHz
Graphic	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.
Bus Type	1600 MHz	1866 MHz	1866MHz	1866MHz
PCI Slot	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 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
Harddisk	-	Hot Swap SAS / Sata	Hot Swap SAS / Sata with 300GB x 2 unit bundle	Hot Swap SAS / Sata with 600GB x 4 unit bundle
Onboard RAID	ServeRAID M1115	M1215 (Raid 0 , 1 , 10)	SR M1215 (Raid 0 , 1 , 5 , 10)	SR M1215 (Raid 0 , 1 , 5 , 10)
Optical Drive	Multiburner (DVD-RW)	DVD Rom	DVD Rom	DVD Rom
Diskette	USB only	USB only	USB Only	USB Only
Total, Hotswap	8 Bays (8x 2.5" HS)	8x 2.5" HS / 32	8x 2.5" HS	8x 2.5" HS
Max, Internal disks	SAS 9.6 TB / SATA 8 TB	57.6.4TB (32*1.8TB)		
Interfaces	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
Onboard Gigabit Ethernet, Redundant Power	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
Dimensions (units)	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
Mechanical	Tower	Tower	5U Tower	5U Tower
Power Supply	430 Watts p/s	two redundant hot-swap 750W High Efficiency	Two redundant hot-swap 550 Watts p/s	Two redundant hot-swap 550 Watts p/s
OS Support	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
Warranty	3 Years on-site 24x7x4	3 Years on-site 24x7x4	3 year on-site 24x7x4	3 year on-site 24x7x4
SRP	53,714	97,477	101,329	187,036

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 X3500M5	System X3500M5	System X3500M5	System X3500M5
P/N	IBM-5464I3B	IBM-5464I2B	IBM-5464A2A	IBM-5464F2A
CPU Types	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
CPU Min., max	1, option to 2	1, option to 2	1, option to 2	1, option to 2
CPU L3 Cache	15MB L3 Cache	15MB L3 Cache	15MB L3 Cache	20MB L3 Cache
ECC Memory	1x 16GB 1866MHz	1x 8GB 1600MHz	1x 8GB 1600MHz	1x 16GB 1866MHz
Graphic	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
Bus Type	1866 MHz	1600 MHz	1600 MHz	1866 MHz
PCI Slot	Four PCIe 3.0 slots Up to seven slots with two processors	Four PCIe 3.0 slots Up to seven slots with two processors	Four PCIe 3.0 slots Up to seven slots with two processors	Four PCIe 3.0 slots Up to seven slots with two processors
Harddisk	Hot Swap SAS / SATA	Hot Swap SAS / SATA	Hot Swap SAS / SATA	Hot Swap SAS / SATA
Onboard RAID	M1215 (Raid 0 , 1 , 10)	M1215 (Raid 0 , 1 , 10)	M1215 (Raid 0 , 1 , 10)	M1215 (Raid 0 , 1 , 10)
Optical Drive	DVD Rom	DVD Rom	DVD Rom	DVD Rom
Diskette	USB only	USB only	USB only	USB only
Total, Hotswap	6x 3.5" HS / 12	8x 2.5" HS	8x 2.5" HS	8x 2.5" HS
Max, Internal disks	72TB (12*6TB)	16TB (2*8TB)	16TB (2*8TB)	16TB (2*8TB)
Interfaces	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
Onboard Gigabit Ethernet, Redundant Power	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).
Dimensions (units)	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
Mechanical	Tower	Tower	Tower	Tower
Power Supply	two redundant hot-swap 750W High Efficiency	two redundant hot-swap 750W High Efficiency	550W Power Supply	750W Power Supply
OS Support	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).
Warranty	3 Years on-site 24x7x4	3 Years on-site 24x7x4	3 Years on-site 24x7x4	3 Years on-site 24x7x4
SRP	97,477	88,382	87,847	145,948

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

Tower : 1 CPU

Server HP มี Onsite Service ทุกรุ่น
 สามารถรายละเอียดโทร. 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 ML30 Gen9 Server

The ideal first server for growing businesses



CPU Types	Intel® Xeon® E3-1225v5 (3.3GHz/4-core/8MB/80W) Processor	Intel Xeon E5-2603v4 (1.7GHz/6-core/15MB/85W) Processor	E3-1240v5 (3.5GHz/4-core/8MB/80W)
CPU Min., max	1	1	1
CPU L3 Cache	8MB	15MB	8MB L3 Cache
ECC Memory	8GB (1x8GB DDR-4 UDIMMs, 2133 MHz)	8GB (1x8GB Registered DIMMs, 2400 MHz)	8GB (1x8GB UDIMMs, 2133 MHz)
Graphic	GPU Support (Xeon Only)	Integrated Matrox G200 video standard	integrated Matrox G200 video standard
PCI Slot	4 PCIe 3.0 slots	4 PCIe 3.0 slots	4 PCIe 3.0 slots
Harddisk	1x1TB SATA drive and 3 LFF hard drive blanks	4 LFF HDD Bays (Non Hot Plug)	4LFF SATA
Onboard RAID	Intel RST SATA RAID Controller (RAID 0/1/10, 5)	HPE Dynamic Smart Array B140i	HP Dynamic Smart Array B140i Controller (RAID 0/1/5)
Optical Drive	SATA DVD-RW	1; (Optional: DVD-ROM, DVD-RW)	NA
Total, Hotswap	4 LFF Non-hot plug SATA 3.5" drives	4 LFF Non-hot plug SATA 3.5" drives	4LFF SATA
Max, Internal disks	24TB	16TB	32TB
Interfaces	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
Onboard Gigabit Ethernet, Redundant Power	Intel® Ethernet Connection I219-LM (1Gb)	Broadcom 5717 Dual-port 1GbE	Network RJ-45 2
Dimensions (units)	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)
Mechanical	Tower	Tower	Tower
Power Supply	300W Multi-Output Power Supply	(1) 350W ATX Power Supply	1x460W Redundant Power Supply
OS Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES)	Microsoft Windows Server Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)	"Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) Vmware"
Warranty	HP 3 Years NBD ML10 H/W Support standar warranty 1/1/1	3-Years Parts, 1-Year Labor, 1-Year Onsite support with next business day response	HP 3 Years NBD H/W Support 3/1/1
SRP (Inc. Vat)	25,900	40,553	46,886

- Best-fit for:**
- Small- to medium-sized businesses (SMBs)
 - Remote/branch offices (ROBOs)
 - Small/home offices (SOHOs)
- Ideal workloads:**
- File, print, and business applications
 - IT and Web
 - Virtualization
 - Collaboration (email/workgroup)
 - Graphics-intensive medical imaging, animation rendering, or higher-end workstations with server capabilities

Tower : 2 CPU

Server HP มี Onsite Service ทุ่ทุ่
 ออการรายละเอียดโทร. 02-118-6300



HPE ProLiant ML150 Gen9
 HPE-834607-371



HP ProLiant ML350 Gen9
 HPE-835262-371



HP ProLiant ML350 Gen9
 HPE-835263-371

CPU Types	(1) Intel® Xeon® E5-2609v4 (1.7GHz/8-core/85W/20MB) Processor	Intel® Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W)	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W)
CPU Min., max	1	1, option to 2	1, option to 2
CPU L3 Cache	20MB	20MB	20MB
ECC Memory	8GB (1x8GB Registered DIMMs, 2400 MHz)	8GB (1x8GB Registered DIMMs, 2400 MHz)	16GB (1x16GB Registered DIMMs, 2400 MHz)
Graphic	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	4 PCIe 3.0 slots
Harddisk	4 LFF HDD Bays	8 LFF HDD Bays	(8) Hot plug SFF SAS/SATA HDD
Onboard RAID	HPE Dynamic Smart Array B140i	HPE Dynamic Smart Array B140i	HP Smart Array P440ar/2G Controller (RAID 0,1,10, 5, 50, 6, 60)
Optical Drive	1; (Optional: DVD-ROM, DVD-RW)	1; (Optional: DVD-ROM, DVD-RW)	1; (Optional: DVD-ROM, DVD-RW)
Total, Hotswap	4 LFF HDD Bays	8 LFF HDD Bays	(8) Hot plug SFF SAS/SATA HDD
Max, Internal disks	32TB	64TB	16TB
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
Onboard Gigabit Ethernet, Redundant Power	Broadcom 5717 Dual-port 1GbE	HPE Embedded 1Gb Ethernet 4-port 331i Adapter	HPE Embedded 1Gb Ethernet 4-port 331i Adapter
Dimensions (units)	(Height 43.26 x Width20 x Depth 62 cm)	Height 46.4 x Width21.9 x Depth 76.9 cm	Height 46.4 x Width21.9 x Depth 76.9 cm
Mechanical	Tower	Tower	Tower
Power Supply	(1) HPE 550W FIO Power Supply	(1) HPE 500W Flex Slot Platinum Power Supply	(1) HPE 500W Flex Slot Platinum Power Supply
OS Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)	"Microsoft Windows Server Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)"	"Microsoft Windows Server Red Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)"
Warranty	includes 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-Years Parts, 3-Years Labor, 3-Years Onsite support with next business day response
SRP (Inc. Vat)	53,286	83,246	95,979