

LẮP RÁP MÁY TÍNH

Phụ lục



HÀ NGUYỄN LONG

PHỤ LỤC

BẢO GIÁ LINH KIỆN MÁY TÍNH		
T	Tên thiết bị	Mô Tả Sản Phẩm
BỘ VI XỬ LÝ		
INTEL		
	CPU Haswell SOCKET 1150	
1	I5- 4430	3.0Ghz,6Mb cache,4C/4T-BOX
2	I5- 4570	3.2Ghz,6Mb cache,4C/4T-BOX
3	I5- 4670K	3.4Ghz,6Mb cache,4C/4T-BOX
4	I7-4770	3.4Ghz, 8Mb cache,4C/8T,Box
5	I7-4770K	3.5Ghz, 8Mb cache,4C/8T,Box
	CPU SOCKET 1155	
7	CELERON G550	2.6ghz/2Mb/64bit-Box
8	PENTIUM DUAL CORE G645	2.9Ghz/ 3Mb/ 64bit - BOX
9	PENTIUM DUAL CORE G840	2.8Ghz/ 3Mb/ 64bit - BOX
10	PENTIUM DUAL CORE G860	3.0Ghz/ 3Mb/ 64bit - BOX
11	CORE i3-2120	Dual Core i3-2120 : 3.3Ghz , 3M Cache , BOX
12	CPU Ivy Bridge SOCKET 1155	
13	PENTIUM DUAL CORE G2010	2.8Ghz , 3Mb cache,Box
14	PENTIUM DUAL CORE G2020	2.9Ghz , 3Mb cache,Box
15	PENTIUM DUAL CORE G2120	3.1Ghz , 3Mb cache,Box
16	CORE i3-3220	3.3Ghz , 3Mb cache,HD 2500,2C/4T,Box
17	CORE i3-3225	3.3Ghz , 3Mb cache,HD 4000,2C/4T,Box
18	CORE i3-3240	3.4Ghz , 3Mb cache,HD 2500,2C/4T,Box
19	CORE i5- 3330	3.0Ghz , 6Mb cache,4C/4T,Box
20	CORE i5- 3450	3.1Ghz , 6Mb cache,4C/4T,Box
21	CORE i5- 3470	3.2Ghz , 6Mb cache,4C/4T,Box
22	CORE i5- 3550	3.3Ghz , 6Mb cache,4C/4T,Box
23	CORE i5-3570	3.4Ghz , 6Mb cache,4C/4T,Box
24	CORE i5-3570K	3.4Ghz , 6Mb cache,4C/4T,Box
25	CORE i7- 3770K	3.5Ghz, 8Mb cache,4C/8T,Box
26	CORE i7- 3770	3.4Ghz, 8Mb cache,4C/8T,Box
	CPU Xeon Server and High End Workstation Socket 1155	
28	XEON E3-1220	3.1 , 8MB Cache,No GPU,4C/4T- BOX
29	XEON E3-1230	3.2 , 8MB Cache,No GPU,4C/8T- BOX
30	Xeon E3-1230v2	3.3 , 8MB Cache,No GPU,4C/8T- BOX
31	Xeon E3-1245v2	3.4 , 8MB Cache,No GPU,4C/8T- BOX
32	XEON E3-1235	3.2 , 8MB Cache,GPU,4C/8T- BOX
	CPU SOCKET 2011	
34	i7-3820	3.6,10MB Cache,4C/8T-BOX
35	CORE i7-3960X	3.3,15 MB Cache,6C/12T-BOX
36	CORE i7-3930K	3.2,12 MB Cache,6C/12T-BOX(chứa có fan)
37	Xeon E5-2620	2.0,15 MB Cache,6C/12T-BOX(chứa có fan)
	CPU Xeon Server and High End Workstation 2ways Socket 1366	
39	XEON E5606	2.13GHz,8MB,QPI=5.86GT/S,4C/4T - BOX

MAINBOARD (BO MẠCH CHỦ)		
SOCKET 1150		
1	ASUS - B85M-G	Intel® B85 chipset, socket 1150 for 4th-generation Core i5, i7 (LGA1150) + Dual Channel Memory Architecture 4 x DIMM, Max. 32GB, DDR3 1600/1333/1066 MHz, Supports Turbo Boost Technology 2.0 Technology. Expansion slots: 1x PCI Express 3.0 x16, 2 x PCI Express x 1. Integrated ALC887-VD2, Audio 8-CHANNEL . STORAGE: Intel® B85 chipset : 2 x SATA 3Gb/s ports, 4 x SATA 6Gb/s ports. LAN: 1 x Gigabit LAN Controller(s) Realtek 8111G. 1 x HDMI, D-Sub + DVI, 4 x USB 2.0, 2 x USB 3.0, 1 x PS/2 keyboard (purple), 1 x PS/2 mouse (green). uATX.
SOCKET 1155		
2	P8H61-M LX PLUS	Chipset Intel H61 (Core i3, i5, i7); Dual DDR3*2 1333/ 1066, max 16Gb VGA/ D-Sub; Sound 8ch; Lan Gigabit; 10USB 2.0, 4SATA 3Gb/s, PCIe 2.0 x16, 3PCI 2.0 x1
3	P8H61-M LX3 PLUS	Chipset Intel H61(Core i3, i5, i7) Dual Channel DDR3 * 2DIMM upto 16GB DDR3 1333 / 1066MHz, integrated VGA On CPU max. share 1748MB, D-Sub outputs: Reatek Gigabit LAN + 10*USB2.0 port, 4 x SATA 3Gb/s, 1 x PCIe 2.0 x16 +1 x PCI 2.0x1
4	P8B75-M	chipset Intel B75 (Core i3, i5, i7) DDR3 * 4DIMM upto 32GB, DDR3 2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1600/1333/1066 MHz, integrated Graphic: On CPU max. share 1696MB, D-Sub/DVI outputs: Expansion Slots: 1 x PCIe 3.0/2.0 x16 (blue), 2 x PCIe 2.0 x4, 2 x PCI.Storage: + B75 chipset controller with 5 x SATA 3Gb/s + 1 x SATA 6.0 Gb/s ports, LAN: Realtek® 8111F Gigabit LAN x1Audio: 8-Channel High USB ports: 4 x USB 3.0 port(s) + 8 x USB 2.0 port(s)
5	ASUS P8B75-V	chipset Intel B75 (Core i3, i5, i7) DDR3 * 4DIMM upto 32GB, DDR3 2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1600/1333/1066 MHz, 1 x PCIe 3.0/2.0 x16 (blue), 1 x PCIe 2.0 X 16 (x4 mode), 2 x PCIe 2.0 x1, 3 x PCI. 5 x SATA 3Gb/s + 1 x SATA 6.0 Gb/s ports,USB ports: 4 x USB 3.0 port(s) + 8 x USB 2.0 port(s)
ASROCK		
6	ASROCK H71M-DGS	H61 chipset - Supports 3rd & 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package - 2 x DDR3 DIMM slots (Dual Channel, DDR3 1333/1066, max 16GB) - Intel® HD Graphics 2500/4000 (IVY) DirectX 11 - shared memory 1760MB (Support Full HD)- Realtek RTL8111C Gigabit LAN - 1 x PCIe 3.0 x16, 1 x PCIe 2.0 x1, 4 x SATA2, 2 x PS/2, 1 x D-Sub, 1 x DVI, 6 x USB 2.0 - mATX -Tính năng nổi bật: BIOS UEFI, XFast RAM, XFast LAN, XFast USB, Instant Flash , PCIeXpress 3.0
7	GIGABYTE	

8	GA P61A-D3	Chipset Intel H61 (Core i3,i5, i7);LAN Gigabit/ 2*PCI-E x1/3*PCI slot/2*USB3.0/ 6*USB2.0 port/2*SATA 6Gbps support RAID 0,1/4x SATA2 3Gb/s /cổng COM/LPT/ DDR3 2*DIMM upto 16GB RAM + Có khe PCI-E 2.0 x16 (VGA cắm ngoài)
9	GA B75M-D3H	chipset Intel B75 (Core i3,i5, i7, Pentium Dual Core) DDR3 4*DIMM upto 32GB RAM DDR3 1600MHz ;VGA Intel® GMA HD Technology with/ D-SUB / DVI-D / HDMI port + LAN Gigabit tốc độ 1000Mbps + 8*USB2.0 port + 4*USB 3.0 port + 1*SATA3 6Gb/s + 5*SATA2 3Gb/s connectors + 2*PCI + RAM Dual Channel
	INTEL	
10	DH61WW BOX	Chipset Intel H61 (Core i3, i5, i7); Dual DDR3*2 1333/1066 max 16Gb, VGA, Sound; Lan Gigabit; 4+2 USB 2.0, 4* SATA; PCI E 2.0 16x, PCI E 1x, PCI
11	H61M-P31 (G3)	Chipset Intel H61 (Core i3-i5-i7) 2*DDR3 1066/1333 - Max 16GB/DSub/DVI 100/1000 ,Sound Realtek ALC887 - 3 Ports,1x PCI-ExpressGen 3.0 x16, 1x PCI-Express 2.0 x14x SATAII 3Gb/s Smart Jack.6 x USB 2.0
12	H67MA-E35 (B3)	Chipset INTEL H67 (Core i3-i5-i7); Dual DDR3*2 1066/1333, max 32Gb; VGA/ HDMI/ DVI-D; Lan; Sound 6ch; 4USB 2.0, 2USB 3.0; PCIE 16x; 3PCIE 1x; 2SATA 6Gb/s, 4SATA 3Gb/s, IEEE1394
13	PH67A-C43 (B3)	Chipset INTEL P67 (Core i3-i5-i7); Dual DDR3*4 1066/1333, max 32Gb, Lan, Sound 6ch, PCI-E x16, 3PCI-E x1, 3PCI, 2SATA 6Gb/s, 4SATA 3Gb/s, 8USB 2.0, 2USB 3.0
	SOCKET 2011	
	ASUS	
14	P9X79 PRO	Chipset Intel X79(Core i7) 8 x DIMM, Max. 64GB, DDR3 2400(O.C.)/2133(O.C.)/1866/1600/1333/1066 MHz;3 x PCIe 3.0/2.0 x16 (dual x16 or x16, x8, x8) *1, 1 x PCIe 3.0/2.0 x16 (x8 mode) *1, 2 x PCIe 2.0 x1HD Audio 8-CHANNEL + Realtek8111E Gigabit LAN, 2 x SATA 6Gb/s port(s),Raid 0, 1, 5, 10; 2 x SATA 6Gb/s port(s); 2 x Power eSATA 6Gb/s port(s);LAN: 1 x Gigabit LAN Controller(s) Intel® 82579V. Bluetooth: Bluetooth V2.1+EDR, ASUS BT GO! Utility. USB Ports: 6 x USB 3.0 port(s)+12 x USB 2.0 port(s)
15	GIGABYTE	
16	GA X79-UD3	Chipset Intel X79(Core i7) LAN Gigabit t + 14*USB2.0 port + 4*USB 3.0 port + 2*eSATA3 6Gb/s + 4*SATA3 6Gb/s w/ RAID 0,1 (Marvell chip) + 2*SATA3 6Gbps + 4*SATA2 3Gb/s connectors hỗ trợ SATA RAID 0,1,5,10 + 2*PCIE x1 + 1*PCI slot + DDR3 4*DIMM upto 32GB RAM DDR3 2133 hỗ trợ XMP memory profile. 4 khe PCI-E 2.0 (x16 : x16 : x8 : x8) hỗ trợ 4-Way/3-Way/2-Way AMD CrossFireX & nVIDIA SLI.
	Một số loại khác	
17	ZOTAC H55-ITX WiFi:	ZOTAC H55-ITX WiFi: Mã H55ITX-A-E Intel H55 chipset, support Intel core i3/5/7 1156, 2x DDR3 (max 8GB) 2 USB 3.0, 8 USB 2.0, SATA3, HDMI 1.4a, eSATA3, HDMI, DVI, 8-ch audio, Optical, PCI X16 2.0, Wifi N300Mbs (2 anten), Lan Gigabit 10/100/1000Mbs, Mini-ITX (170x170mm).

28	ASROCK G41M-VS3:	ASROCK G41M-VS3: G41 chipset - LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron - 2 x DDR3 DIMM slots (Dual Channel, DDR3 1333(OC)/1066/800, max 8GB) - Intel® Graphics Media Accelerator X4500, DirectX 10, Max. shared memory 1759MB, Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz - 5.1 CH HD Audio -Atheros® PCIEx1 LAN AR8132L (10/100 Ethernet) - 1 x PCI Express x16 slot, 1 x PCI slot, 1 x VGA Port, 4 x USB 2.0 Ports - mATX
GRAPHICS CARD (CARD ĐỒ HỌA)		
GIAO TIẾP PCI EXPRESS		
	ASUS	
1	1Gb EN210-1GD3-L	Geforce 210/ D-Sub/ DVI/ HDMI/ HDCP/ DDR3/ 64 bits
2	1280Mb ENGTX570 DCII/ 2DIS/ 1280MD5	nVIDIA GeForce GTX570, CUDA core:480 , D-Sub/ DVI-I /HDMI Display Port (Regular DP)/ HDCP
3	1Gb EAH6670 /DIS/1GD5	Radeon HD 6670/ D-sub/ DVI/ HDMI/ HDCP/ DDR3/ 128bits
4	1Gb EAH6670 DC SL /DI/1GD3	Radeon HD 6670/ D-sub/ DVI-D/ HDMI/ HDCP/ DDR3/ 128bits
5	2Gb HD6670-2GD3	Radeon HD 6670/ D-sub/ DVI-D/ HDMI/ HDCP/ DDR3/ 128bits
6	1Gb HD7750-1GD5-V2	RADEON HD 7750D-Sub Output x 1,DVI Output x 1, HDMI Output x 1,Display Port x 1 (Regular DP) .(128bits)
7	1Gb HD7750-T-1GD5	RADEON HD 7750D-Sub Output x 1,DVI Output x 1, HDMI Output x 1,Display Port x 1 (Regular DP) .(128bits)
8	1Gb HD7770-DC-1GD5-V2	RADEON HD 7770; D-Sub /DVI-I/ HDMI/Display Port x 2 128bits
	GIGABYTE	
10	1Gb GV N210TC-1GI	Geforce G210 GPU/ DVI-I / D-Sub / HDMI with HDCP/ GDDR3/ 64 bits. (512Mb DDR3 onboard, minimum system memory requirement 2Gb). Turbo cache upto 1Gb
11	1Gb GV N210D3-1GI	Geforce 210 GPU/ Dual-link DVI-I/ D-Sub/ HDMI/ HDCP/ DDR3/ 64bits
12	3Gb R7970C-3GD	Radeon HD 7970 GPU Dual-link DVI-I / HDMI / mini DisplayPort*2/ GDDR5 / 384-bit
	MSI	
14	N210-MD1G/D3	GeForce 210 Chipset - 1024 GDDR3 64bit (Core/Mem clock 589MHz / 1000Mhz) - Dual-link DVI-I x 1, HDMI x 1, Dsub x 1 - MSI Dual Core Cell / MSI Vivid / MSI DOT Express / MSI StarOSD / MSI Live Update Online / MSI Live Update 3 / HDMI Support / HDCP Capable / Blu-ray/HD DVD Support / NVIDIA PureVideo HD / RoHS Compliant / PCI-E 2.0
15	1280Mb N560GTX-Ti Twin Frozr II OC	GeForce GTX 560 Ti/ Dual DVI-I x 2/ mini HDMI/ HDCP/ GDDR5/ 256 bits
16	N570GTX Twin Frozr III Power Edition	GeForce GTX 570/ Dual DVI-I x 2/ mini HDMI/ HDMI/ DVI/ GDDR5/ 320bits
17	N630GT-MD2GD3	GeForce GT 630 - 2024MB DDR3 128 bits - Core/Mem clock 810MHz /1000 Mhz - Dual DVI-I x 2, mini HDMI x 1 - MSI 3-in-1 High Efficiency Fan / MSI Solid Capacitor / MSI Solid Capacitor / MSI Afterburner Best OverClock Tool / PCI-E 2.0 / Support NVIDIA SLI

RAM (BỘ NHỚ)		
	DDRAM II	
1	1Gb KINGMAX	DDRAM II Bus 800 (PC2 6400), bảo hành cháy nổ
2	1Gb KINGMAX	DDRAM II Bus 1066 (PC2 8500), bảo hành cháy nổ
3	2Gb KINGMAX	DDRAM II Bus 800 (PC2 6400), bảo hành cháy nổ
4	1Gb KINGSTON	DDRAM II Bus 800 (PC2 6400),
5	2Gb KINGSTON	DDRAM II Bus 800 (PC2 6400),
6	2Gb A.Data	DDramII 800 (PC2-6400)-Tản nhiệt nhôm
	DDRAM III	
8	4Gb CORSAIR CMX	DDRAM III Bus 1333. Tản nhiệt nhôm
9	4Gb CORSAIR C9 Vengeance	DDRAM III Bus 16000. Tản nhiệt cao cấp
10	2Gb GSKILL NS Series	DDRAMIII Bus 1333 (PC3-10666). Độ trễ: 9-9-9-24
11	2Gb GSKILL NQ Series	DDRAMIII Bus 1333. BH cháy nổ
12	2Gb GSKILL ECO Series	DDRAMIII Bus 1600 (PC3-12800).Tản nhiệt nhôm.
13	4Gb GSKILL SNIPER SR	DDRAM III Bus 1600 (PC3-12800). Độ trễ: CL 9-9-9-24-2N
14	4Gb GSKILL NT	DDRAM III Bus 1333 (PC3-10666). Độ trễ: 9-9-9-24
15	8GB GSKILL RIPJAWS XL	Loại RAM: DDR3 Dung lượng: 8GB (1 x 8GB) Tốc độ: PC3-12800 (1600MHz) Độ trễ: CL10-10-10-30-2N V: 1.5v
16	2Gb KINGMAX	DDRAM III Bus 1333 (PC3 10666), bảo hành cháy nổ
17	4Gb KINGSTON	DDRAM III Bus 1333 (PC3 10666)
18	4Gb KINGSTON	DDRAM III Bus 1600 (PC3 12800)
19	2Gb PATRIOT	DDRAM III Bus 1333 (PC3 10666)
20	4Gb PATRIOT	DDRAM III Bus 1333 (PC3 10666)
	RAM CHO DÒNG CORE I SK 1155, 1156	
22	2*4Gb CORSAIR Vengeance	DDRAM III Bus 1600 (PC3 12800)
23	2*4Gb CORSAIR XMS DDramIII 1600	DDRAM III Bus 1600. Tản nhiệt DHX
24	(2x4GB) CORSAIR /1600 C8 Dominator	DDRAM III Bus 1600. Tản nhiệt DHX
25	2*4Gb GSKILL NT	DDRAM III Bus 1333 (PC3-10666). Độ trễ: 9-9-9-24
26	2*4Gb GSKILL RIPJAWS XL	DDRAM III Bus 1333 (PC3-10666). Độ trễ: CL 9-9-9-24-2N
27	4*4Gb GSKILL Ripjaws XL	DDRAM III Bus 1600(PC3-12800) Độ trễ: CL 9-9-9-24-2N
28	4*8Gb GSKILL RipjawsZL	DDRAM III Bus 1600(PC3-12800) Độ trễ: CL 10-10-10-30-2N
29	8*4Gb GSKILL RipjawsZH	DDRAM III Bus 2133(PC3-17000) Độ trễ: CL 9-11-10-28-2N
30	2*4 Gb PATRIOT GAMER 2 Division 2 Series	DDRAM III Bus 1600 (PC3-12800). Thiết kế tản nhiệt dạng lưới cửa, hỗ trợ OC cao cấp
31	2*4Gb PATRIOT VIPER II Sector 5 series	DDRAM III Bus 1600 (PC3-12800). Thiết kế tản nhiệt dạng lưới cửa, hỗ trợ OC cao cấp
HDD (Ổ ĐĨA CỨNG)		
	GIAO TIẾP SATA	
1	WESTERN 250Gb	Caviar BLUE, SATA 3Gb/s 7200rpm/ 16Mb cache, chạy êm.
2	WESTERN 500Gb	Caviar BLUE, (SATA 3) 7200rpm/ 8Mb cache, chạy êm.
3	WESTERN 500Gb	Caviar Green, (SATA 3) 7200rpm 32Mb/ 64Mb cache, chạy êm.
4	WESTERN 1Tb	Caviar BLACK SATA3/ 7200rpm/32Mb - công nghệ DUAL PROCESSOR (bộ xử lý kép)

5	TOSHIBA 3TB	3.5" SATA3 7200rpm 64MB
6	SEAGATE 250Gb	7200rpm (SATA2, 8Mb caches)
7	SEAGATE 1.5TB	7200rpm (SATA2, 32Mb caches)
8	SEAGATE 2TB	5900rpm (SATA2, 32Mb/ 64Mb caches)
ODD(Ổ ĐĨA QUANG)		
1	ASUS (IDE, BOX)	DVD 16X (Read CD 48X) (Black/White)
2	PIONEER 230D (SATA, BOX)	DVDROM 18X / CDROM 48X. Đọc DVDROM 18X, Đọc CDROM 48X) công nghệ đọc đĩa mới
3	SAMSUNG (SATA, BOX)	DVD 16X (Read CD 48X)
4	SAMSUNG 118AB (SATA, BULK)	DVD 16X/18X (Read CD 48X)
5	HP 1260i (SATA, BOX)	DVD 24X + DVD-RAM 12X. Công nghệ: SMART-X, SMART-BURN, ABS, Red Laser. DVD Multi Write (DVD+/-R 24x, DVD+R Double Layer, DVD-R DL) Re-Write (DVD+RW 8x, DVD-RW 6x, CD-RW)
6	PIONEER DVDRW S18LBK (SATA, BOX)	DVD(±R)22x, DVD(±R DL)12x, (DVD±RW) 8x, DVD RAM 12x, CD-R 40x, CD-RW-32x. Tính năng mới: chống bụi, không tiếng ồn, không kén đĩa, tự động phục hồi thông tin khi đĩa bị xước
7	SAMSUNG 8X SE-S084D/TSBS External (đen, đỏ, hồng, vàng)	DVDRW, tốc độ 8X, chuẩn giao tiếp USB, màu đen, kiểu dáng siêu mỏng. (Box). Kết nối trực tiếp với TV, LCD qua cổng USB. Có nhiều màu: đen, đỏ, hồng, vàng
POWER SUPPLY (BỘ NGUỒN)		
	ACBEL	
1	ACBEL 350W CE2-350 (HB9007/9023)	Công suất thực 350W/ 20+4 chân, điều chỉnh tốc độ quạt. Fan 12cm (nguồn cao cấp)
2	ACBEL 560W -Ipower (Quạt màu mạ NIKEN)	Công suất thực 560W; 24pin, Fan 12cm
3	ACBEL R8II-600W	Công suất thực 600W; 24pin, Fan 12cm
4	ACBEL 85H - 750W -Ipower	Công suất thực 750W; 24pin, Fan 12cm
CARD ÂM THANH		
	ASUS	
1	XONAR-DG INTERNAL 5.1 (PCI)	192k/24bit true PC Hi-Fi audio presentation - High Definition Audio Processing at 192KHz/24Bit Sampling Rates - Dolby® Headphone for an immersive 5.1 surround imaging - Immerse yourself in 3D gaming sound with GX2.5 audio engine
2	XONAR HDAV 1.3 SLIM	HDMI1.3, có thể Cắm vừa dòng case nhỏ Micro-ATX, ITX, Full-HD Audio/Video, HDMI Input/Output; Digital S/PDIF Input/Output
3	XONAR Essence STX (PCI-E) 7.1 Audio STEREO	Card âm thanh_SoundCard Asus XONAR-ESSENCE STX/A<GA>
	CREATIVE	
5	BLASTER 5.1 VX	Âm thanh 5.1, công nghệ âm thanh vòm CMSS, EAX, tương thích Win Vista
6	BLATER X-FI SURROUND 5.1 PRO (USB)	External USB Sound Blaster sound card with THX TruStudio Pro for notebooks and PCs.

7	X-Fi Xtreme Audio 7.1 (PCI-E)	S/P: 7.1, DVD Audio, 24bit Decoder & Recorder, 109dB SNR, CMSS-3D. Built in XRam (64Mb), cắm khe 1X trên main
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