

ARCHITECTURE AND COMPUTER ASSIGNMENT



Arranged by :

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Comparing Motherboard's

Notes :

1. Green colour represent same specification
2. Gold colour represent different specification

Processor : Intel Core i5-6600K 3.5GHz Quad-Core					
ASRock - Z97 EXTREME4 ATX LGA1150 Motherboard			Gigabyte GA-Z170X-UD3 ATX LGA1151 Motherboard		
NO	SPECIFICATION		NO	SPECIFICATION	
1.	PART	Z97 EXTREME4	1.	PART	GA-Z170X-UD3 (or) Z170X-UD3
2.	FORM FACTOR	ATX	2.	FORM FACTOR	ATX
3.	CPU SOCKET	LGA1150	3.	CPU SOCKET	LGA1151
4.	CHIPSET	Intel Z97	4.	CHIPSET	Intel Z170
5.	MEMORY SLOTS	4 x 240-pin DIMM	5.	MEMORY SLOTS	4 x 288-pin DIMM
6.	MEMORY TYPE	DDR3-1066 / 1333 / 1600 / 1866 / 2133 / 2400 / 2800 / 2933	6.	MEMORY TYPE	DDR4-2133 / 2400 / 2800 / 3200
7.	MAXIMUM SUPPORTED MEMORY	32GB	7.	MAXIMUM SUPPORTED MEMORY	64GB
8.	RAID SUPPORT	Yes	8.	RAID SUPPORT	Yes
9.	ONBOARD VIDEO	Depends on CPU	9.	ONBOARD VIDEO	Depends on CPU
10.	CROSSFIRE SUPPORT	Yes	10.	CROSSFIRE SUPPORT	Yes

11.	SLI SUPPORT	Yes	11.	SLI SUPPORT	Yes
12.	SATA	6 GB/S 6	12.	SATA	-
13.	SATA EXPRESS	1	13.	SATA EXPRESS	3
14.	ONBOARD ETHERNET	1 x 10/100/1000 Mbps	14.	ONBOARD ETHERNET	1 x 10/100/1000 Mbps
15.	ONBOARD USB 3.0 HEADER(S)	Yes	15.	ONBOARD USB 3.0 HEADER(S)	Yes

Notes :

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Processor : Intel Core i7-6800K 3.4GHz 6-Core					
ASRock X99 Extreme3 ATX LGA2011-3			MSI - X99A GODLIKE GAMING CARBON EATX LGA2011-3 Motherboard		
NO	SPECIFICATION		NO	SPECIFICATION	
1.	PART	X99 Extreme3	1.	PART	X99A GODLIKE GAMING CARBON
2.	FORM FACTOR	ATX	2.	FORM FACTOR	EATX
3.	CPU SOCKET	LGA2011-3	3.	CPU SOCKET	LGA2011-3
4.	CHIPSET	Intel X99	4.	CHIPSET	Intel X99
5.	MEMORY SLOTS	4 x 288-pin DIMM	5.	MEMORY SLOTS	8 x 288-pin DIMM
6.	MEMORY TYPE	DDR4-1600 / 1866 / 2133 / 2400 / 2666 / 2800 / 3000	6.	MEMORY TYPE	DDR4-2133 / 2400 / 2666 / 2800 / 3000 / 3333 / 3400
7.	MAXIMUM SUPPORTED MEMORY	64GB	7.	MAXIMUM SUPPORTED MEMORY	128GB
8.	RAID SUPPORT	Yes	8.	RAID SUPPORT	Yes
9.	ONBOARD VIDEO	No	9.	ONBOARD VIDEO	No
10.	CROSSFIRE SUPPORT	Yes	10.	CROSSFIRE SUPPORT	Yes
11.	SLI SUPPORT	Yes	11.	SLI SUPPORT	4-way SLI
12.	SATA 6 GB/S	10	12.	SATA 6 GB/S	8

13.	SATA EXPRESS	-	13.	SATA EXPRESS	1
14.	ONBOARD ETHERNET	1 x 10/100/1000 Mbps	14.	ONBOARD ETHERNET	2 x 10/100/1000 Mbps
15.	ONBOARD USB 3.0 HEADER(S)	Yes	15.	ONBOARD USB 3.0 HEADER(S)	Yes