

CBT Nugget; Chapter 4

Motherboard Installation and Buses

1. What are PCI Express x1 Buses generally used for?
2. What are PCI Express x16 Buses generally used for?
3. What is the bandwidth of the fastest AGP Bus?
4. What is the difference between PCI-X and PCI Express?
5. What was added to AGP Buses because when they were being shipped in the mail, the AGP cards kept falling out?
6. What is the Bus Width of the 1st generation of PCI Cards and what was their Bandwidth in MBps?
7. What does Mhz mean?
8. What is the difference between a Bit and a Byte?
9. $\text{Mhz} \times \text{Bytes} = ?$
10. What is the total bandwidth if the Bus Width is 64 bits and the bus speed is 533? What type of Bus Type is it?
11. True or False: In Serial Technology all the data that travels from one end to the other has to arrive at the same time? Why or Why not?
12. Is PCI Express is a serial and parallel technology?
13. True or False: AGP 4x is an older technology than PCI Express:
14. What is a Molex adapter?
15. Typically, how many AGP Slots are in a Motherboard?
16. True or False: Typically, there is only 1 PCI Express slot in a motherboard:.
17. Can you install a 32 bit PCI device into a 64 bit slot? Why and how?
18. Where are you most likely to find 64bit PCI Slots? (@ Frys is not an answer)
19. What can you do with a Universal PCI Card?

