

CompTIA IT Fundamentals v6.0 (FC0-U51)

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Question 221 (Topic 3)



How many pins are available on a PS/2 Mini-DIN connector?

- A. 5
- B. 4
- C. 6
- D. 3

[Expose Correct Answer](#)

Answer : **C**

Explanation: A PS/2 Mini-DIN connector has 6-pins , while only four are used. Pin 1 is used for keyboard data signal, pin 3 is ground, pin 4 has +5 Volt DC, pin 5 is used for keyboard clock, and pins 2 and 6 are not used. The PS/2 6-pin Mini-DIN connector is used for both keyboard and mouse. Older keyboard connectors use 5-pin DIN connector.

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Question 222 (Topic 3)



Which of the following technologies is used to detect unauthorized attempts to access and manipulate computer systems locally or through the Internet or an intranet?

- A. Demilitarized zone (DMZ)
- B. Firewall
- C. Intrusion detection system (IDS)

D. Packet filtering

Explanation: An Intrusion detection system (IDS) is used to detect unauthorized attempts to access and manipulate computer systems locally or through the Internet or an intranet. It can detect several types of attacks and malicious behaviors that can compromise the security of a network and computers. This includes network attacks against vulnerable services, unauthorized logins and access to sensitive data, and malware (e.g. viruses, worms, etc.). An IDS also detects attacks that originate from within a system. In most cases, an IDS has three main components: Sensors, Console, and Engine. Sensors generate security events. A console is used to alert and control sensors and to monitor events. An engine is used to record events and to generate security alerts based on received security events. In many IDS implementations, these three components are combined into a single device. Basically, following two types of IDS are used : Network-based IDS Host-based IDS Answer option D is incorrect. Packet filtering is a method that allows or restricts the flow of specific types of packets to provide security. It analyzes the incoming and outgoing packets and lets them pass or stops them at a network interface based on the source and destination addresses, ports, or protocols. Packet filtering provides a way to define precisely which type of IP traffic is allowed to cross the firewall of an intranet. IP packet filtering is important when users from private intranets connect to public networks, such as the Internet. Answer option B is incorrect. A firewall is a tool to provide security to a network. It is used to protect an internal network or intranet against unauthorized access from the Internet or other outside networks. It restricts inbound and outbound access and can analyze all traffic between an internal network and the Internet. Users can configure a firewall to pass or block packets from specific IP addresses and ports. Answer option A is incorrect. Demilitarized zone (DMZ) or perimeter network is a small network that lies in between the Internet and a private network. It is the boundary between the Internet and an internal network, usually a combination of firewalls and bastion hosts that are gateways between inside networks and outside networks. DMZ provides a large enterprise network or corporate network the ability to use the Internet while still maintaining its security. Reference: "http://en.wikipedia.org/wiki/Intrusion-detection_system"

Next Question

Question 223 (Topic 3)



Identify the FireWire 400 port in the image given below.

Click on the correct spot in the image. Doing so will place the target icon at the clicked spot.



Answer :

Click on the correct spot in the image. Doing so will place the target icon at the clicked spot.



Explanation:





FireWire 400 port



S-Video port



DVI-I dual link port



FireWire 800 port

Next Question

Question 224 (Topic 3)



Which of the following actions can a technician take to reduce the chances of static charges being built up? Each correct answer represents a complete solution. Choose three.

- A. Wear silken clothes.
- B. Do not wear wrist strap.
- C. Remove carpets from computer rooms.
- D. Wear cotton clothes.
- E. Increase humidity level.

Expose Correct Answer

Answer : **C,D,E**

Explanation: In order to reduce the chances of static charges being built up, users or technicians will have to take the following steps: Wear cotton clothes. This will reduce the chance of building up of static charges. Do not cover the computer room's floor with carpets. This stops neutralizing of static charges. Increase humidity level. Humidity helps dissipate static charges. What is ESD? ESD stands for Electrostatic discharge. The static electricity that we generate everyday creates ESD. If you walk across a carpet and touch

Next Question

Question 225 (Topic 3)



Which of the following interfaces is the current standard for digital LCD monitors?

- A. DVE
- B. SVGA
- C. DVI
- D. VGA

Expose Correct Answer

Answer : **C**

Explanation: DVI interface is the current standard for digital LCD monitors. DVI stands for Digital Visual Interface. It is a standard for high speed, high resolution digital display invented by Digital Display Working Group (DDWG). DVI accommodates analog and digital interfaces with a single connector. New video cards have DVI as well as VGA ports built into them. Most of LCD monitors come with a 15-pin VGA connection cable, even if they are capable of handling digital signals coming from DVI connections. However, some monitors come with both types of cables. DVI has three main categories of connectors. They are: DVI-A, DVI-D, and DVI-I. DVI-A is an analog-only connector, DVI-D is a digital-only connector, and DVI-I is an analog/digital connector. DVI-D and DVI-I connectors are of two types: single link and dual link. DVI supports UXGA and HDTV with a single set of links. Higher resolutions such as 1920 x 1080, 2048 x 1536, or more can be supported with dual links. Answer options D and B are incorrect. VGA and SVGA are old standards for monitors. A VGA or SVGA interface is a 15-pin, three rows, female connector, on the back of a PC used for connecting monitors. Answer option A is incorrect. There is no such interface standard for digital LCD monitors as DVE. Reference:
http://en.wikipedia.org/wiki/Digital_Visual_Interface

Next Question





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