

## CompTIA IT Fundamentals v6.0 (FC0-U51)

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## Question 286 ( Topic 3 )



Which of the following wireless standards has a transmission speed of up to 720 Kbps?

- A. Infrared
- B. Bluetooth
- C. IEEE 802.11a
- D. Wi-Fi

[Expose Correct Answer](#)

Answer : **B**

Explanation: Bluetooth is a standard for short-range radio links between laptops, mobile phones, digital cameras, and other portable devices. Bluetooth devices contain a transceiver chip. The transceiver transmits and receives data with the frequency of 2.45 GHz. It has transmission speeds of up to 720 Kbps and the network range of 33 feet. Answer option A is incorrect. Infrared is a communication medium used for wireless networks to transfer data between devices. Infrared can transmit signals at high rates because of the high bandwidth of infrared light. An infrared network can normally broadcast at 10 Mbps. Answer option D is incorrect. The Wi-Fi (802.11b standard) wireless technology is used to offer Internet access in public places. The 802.11b standard, defined by IEEE, is an extension of the 802.11 standard of wireless network. It is also referred to as 802.11 High Rate. It operates in 2.4GHz band and brings data rates up to 11Mbps. Answer option C is incorrect. The maximum data transfer rate of the 802.11a wireless standard is 54 Mbps.

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