7.2 Infrared, Bluetooth, and NFC

As you study this section, answer the following questions:

- What are typical infrared devices and applications?
- What advantages does Bluetooth offer that infrared does not?
- Which types of devices typically use Bluetooth wireless?
- How does Bluetooth avoid interference with other Bluetooth devices in the area?
- Of the three Bluetooth device classifications, which transmits the farthest? Which is the most common class used by devices?
- Which types of devices use NFC transmissions?
- How is NFC different from Bluetooth?

Key terms for this section include the following:

Term	Definition
Infrared (IR)	Communication technology that uses invisible light waves.
Bluetooth	Communication technology that uses radio waves in the 2.4 ghz range.
Near-field communication (NFC)	Communication technology that enables communication between two devices in close proximity.

This section helps you prepare for the following certification exam objectives:

Exam	Objective

CompTIA 220-1001	1.5 Given a scenario, connect and configure accessories and ports of other mobile devices.
	▪ Connection types
	  ▪ Proprietary vendor-specific ports (communication/power)
	  ▪ NFC
	  ▪ Bluetooth
	  ▪ IR
	  ▪ Wireless
	
	1.6 Given a scenario, configure basic mobile device network connectivity and application support.
	▪ Bluetooth
	  ▪ Enable Bluetooth
	  ▪ Enable pairing
	  ▪ Find a device for pairing
	  ▪ Enter the appropriate pin code
	  ▪ Test connectivity
	
	2.4 Compare and contrast wireless networking protocols.

	▪ Bluetooth ▪ NFC