

7.4 Internet of Things

As you study this section, answer the following questions:

- Is your hub compatible with Z-Wave or Zigbee?
- What's the difference between smart switches, bulbs, and plugs? Which one would suit your needs better?
- What is a smart speaker/home assistant? What can it connect to?
- How can IoT help you manage several aspects of your home environment remotely?

In this section, you will learn to:

- Configure smart devices

Key terms for this section include the following:

| Term | Definition |
|-------------------|--|
| IoT | The internet of things. |
| Digital Assistant | A smart speaker that controls your smart appliances and performs other actions through voice commands. |
| Zigbee | An IoT standard based protocol. |
| Z-Wave | IoT standard based protocol. Simpler and less expensive than Zigbee. |

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

| Exam | Objective |
|------------------|---|
| TestOut PC Pro | 2.4 Configure PC networking 2.4.3 Configure wired and wireless networking for a SOHO |
| CompTIA 220-1101 | 2.3 Given a scenario, install and configure a basic wired/wireless SOHO network <ul style="list-style-type: none">■ IoT device configuration<ul style="list-style-type: none">■ Thermostat■ Light switches■ Security cameras■ Door locks■ Voice-enabled, smart speaker/digital assistant 2.4 Compare and contrast wireless networking protocols <ul style="list-style-type: none">■ Zigbee■ Z-Wave |

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