IP Networking for Security: Networking Hardware Course Outline
Course Time: 1 hour

Course Description
In this module, we will discuss the most commonly used networking hardware found in a business environment.

It is important to understand how hardware like IP Cameras or Access Control devices interact with, and communicate through, other devices like hubs, routers and switches. We will also discuss servers and other network storage devices.

When you complete this course, you should be able to do the following:

- Compare and contrast hubs, routers and switches and understand each device's role on the network.
- Demonstrate the various types of hardware, workstations and servers on a network.
- Identify various storage devices and articulate their advantages and disadvantages.
- Assess common backup strategies and their related devices.

Course Outline

- Workstations
- Mobile Devices
    - Uses
    - Pitfalls
    - Wireless Connectivity
    - Unsupported Technology
- Servers
    - Print Servers
    - Mail Servers
    - Application Servers
    - File Servers
    - Database Servers
    - Web Servers
    - Video Servers
- Storage Devices
    - SD Cards and types
    - USB
    - Drives
        - Hard Drives
            - Singles
            - RAIDS
                - RAID Types
        - Solid State Drives
    - Network Video Recorders
    - Digital Video Recorders
    - Network Attached Storage
    - Storage Area Networks
- Backup Devices
    - Strategies
    - Storage Media
- Hubs
- Routers
    - Role
    - Home/Small Business
    - Enterprise
    - Wireless Standards
    - Multiband Wireless Routers
- Switches
    - Role

- o Security and Analytics
- o Managed/Unmanaged
- o Disparate network Mediums
- DSL Modems