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Cisco 220 Series Smart Switches

Simple, secure, and smart business network at affordable prices

In today's fast-paced business environment, business owners are becoming more selective in their IT investments, including the network infrastructure. The network is a critical platform for business productivity, and a fast, reliable, and secure network is more important than ever to help you stay ahead of the competition and grow your business. With a limited budget, getting the most value for your money becomes especially important.

For businesses requiring high performance, security, and manageability from network switches, fully managed switches are an excellent choice. However, they typically come with high price tags. Smart switches provide the right level of network features and capabilities for growing businesses at lower prices, so you have more dollars to invest where they're most needed.

Smart switches are typically low priced but limited in functionality. The Cisco 220 Series provides rich features designed for growing businesses while maintaining the affordability of smart switches.

Some features and benefits

- **Simple and flexible management**. Cisco 220 Series switches are easy to deploy and use for both nontechnical users and IT professionals. These switches provide management options such as Simple Network Management Protocol (SNMP) and a Command-Line Interface (CLI), besides the intuitive, web-based interface and Cisco Business Dashboard utility.

- **Power over Ethernet Plus**. PoE+ streamlines the deployment for wireless access points, IP telephony, and video surveillance by allowing power and data to run over a single network cable. Cisco 220 Series switches support PoE+, which provides up to 30 watts of power per port. PoE+ can enable deployments for 802.11ac wireless access points, Pan Tilt Zoom (PTZ) IP cameras, and videophones, delivering more flexibility and investment protection.

- **A higher level of security and intelligence**. Access Control Lists (ACLs) and flow-based QoS give you more control over network performance, maintain the integrity of key business information, and enable higher network efficiency.

In addition, the Cisco 220 Series provides capabilities that help you create business-class networks. These features deliver a solution to simplify the operation, increase uptime, and ultimately get your business better connected to employees, customers, and suppliers. Some primary features include:

- **Easy configuration and deployment**. Cisco 220 Series switches are designed to be easy to deploy and use by small and medium-sized businesses and the partners that manage them. The simple and intuitive web-based interfaces allow even users without extensive IT expertise to configure, manage, and troubleshoot the switch in minutes. Other ease-of-use features include:
  - Cisco Discovery Protocol (CDP) and Link Layer Discovery Protocol – Media Endpoint Discovery (LLDP-MED). Automatically detect all the devices connected to your network. Then automatically configure the switch itself with the appropriate settings and instruct the end devices on the appropriate voice VLAN or QoS parameters to use.
  - Cisco Business Dashboard. This feature works through a simple toolbar on the user's web browser to discover Cisco devices on the network and display basic information, such as serial numbers and IP addresses. It aids in quicker configuration and deployment of Cisco small and mid-size business products.
  - Cisco Business Dashboard is designed to manage Cisco 100 to 500 Series switches, routers, and wireless access points. They let you proactively manage the network instead of just reacting to events. Cisco Business Dashboard is the perfect addition to your business's network.

- **Flexible network management capabilities**. Cisco 220 Series switches provide more flexibility for network management through the following:
  - Remote management. Using SNMP, you can set up and manage all switches and other Cisco devices in your network remotely.
  - Command-Line Interface (CLI). The switches can be managed using a CLI. This capability can enable scripted or automated deployment for network professionals.
  - Dual image support. With the ability to maintain two images in permanent storage instead of only a single image, as is traditionally supported on smart switches, you can perform software upgrades without taking the network offline or worrying about an outage because of a bad image file. This reduces switch downtime when the firmware is being upgraded or downgraded.
  - Dual configuration files support. Configure the device, validating that it is done correctly, and then save this configuration to take effect after reboot. Additionally, a mirror configuration file provides

automatic backup of the latest stable configuration file.
- IPv6 support. Cisco 220 Series switches provide native support for IPv6, as well as the previous IPv4 standard. As a result, you can migrate to the next generation of networking applications and operating systems without an equipment upgrade.

- **Reliability and performance.** Cisco 220 Series switches have been tested to deliver the high availability and performance that users have come to expect from Cisco switches. The switches speed up file transfer times, keep vital business applications available, and help your employees respond more quickly to customers and each other. With enhanced QoS capabilities, the Cisco 220 Series also gives you the flexibility to manage and prioritize high-bandwidth traffic so you can easily integrate all the business communications and connectivity needs on a single converged infrastructure.

Cisco 250 Series Smart Switches

Build a reliable, easy-to-use business network at an affordable price

In today's hyper-connected world, reliable access to network resources is critical to all businesses. However, you also need to invest wisely to stay competitive, knowing how to separate the essential from the extraneous and get the most value for your cash. For investment in network infrastructure, building a solid foundation for your business is essential, but it doesn't mean you need the most advanced feature set on the market.

For businesses requiring high performance, advanced security, and rich manageability from the network, fully managed switches are an excellent choice. However, they also typically come with high price tags. Smart switches provide the right level of network features and capabilities for growing businesses at a lower price, so you'll have more dollars to put toward other areas of your business.

With Cisco 250 Series Smart Switches, you can achieve business-class network performance and security without paying for advanced network features that you will not use. When you need a reliable solution to share online resources and connect computers, phones, and wireless access points, but low cost is a top priority, Cisco 250 Series Smart Switches provide the ideal solution.

Some features and benefits

Cisco 250 Series Smart Switches provide all of the features you need to create a basic business-class network at an affordable price. These features include:

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- **Easy configuration and management.** Cisco 250 Series switches are designed to be easy to deploy and use by small businesses or the partners that serve them:
  - Cisco Business Dashboard is designed to manage Cisco 100 to 500 Series switches, routers, and wireless access points. It lets you proactively manage the network instead of just reacting to events. Cisco 250 Series switches support the embedded probe, eliminating the need to set up a separate hardware or virtual machine on site.
  - Cisco Business Dashboard works through a simple toolbar on the user's web browser to discover Cisco devices on the network and display basic device information, inventory, and new firmware updates to aid in the configuration and speed the deployment of Cisco small business products.
  - Simple or advanced-mode graphic user interfaces reduce the time required to deploy, troubleshoot, and manage the network. Configuration wizards simplify the most common configuration tasks and provide the ultimate tool for anyone to set up and manage the network.
  - Cisco Smartports technology provides more advanced capabilities and hands-on control by automatically configuring ports with specific levels of security, QoS, and availability according to the type of connected device, based on Cisco best practices and pretested configurations. The Auto Smartports feature automatically applies the intelligence delivered through the Smartports roles to the port based on the device types discovered over Cisco Discovery Protocol or LLDP-MED. This capability facilitates zero-touch deployments.
  - The USB port on the front panel of the switch enables easy image and configuration transfer for faster deployment or upgrades.

- **Reliability and performance:** Cisco 250 Series switches have been tested to deliver the high performance and reliability you would expect from a Cisco switch and help you prevent costly downtime. The switches speed file transfer times, improve slow and sluggish networks, keep your vital business applications available, and help your employees respond more quickly to customers and each other. With a network based on Cisco 250 Series switches, you can address all of your business communications and connectivity needs and reduce the total cost of ownership of your technology infrastructure. Cisco 250 Series switches also support 10 Gigabit Ethernet uplinks on select models, so you can build a high-performance and future-ready network to support your thriving business.

- **Layer 3 static routing:** This capability allows you to segment your network into separate workgroups and communicate across VLANs without degrading application performance. As a result, you can manage internal routing with your switches and dedicate your router to external traffic and security, helping your network run more efficiently.

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Cisco 350 Series Managed Switches

Easy-to-Use Managed Switches that Provide the Ideal combination of Features and Affordability

To stay ahead in a competitive marketplace, businesses need to make every dollar count. That means getting the most value from your technology investments, but it also means making sure that employees have fast, reliable access to the business tools and information they need. Every minute an employee waits for an unresponsive application and every minute your network is down has an effect on your profits. The importance of maintaining a strong and dependable business network only grows as your business adds more employees, applications, and network complexity.

When your business needs advanced security and features, but value is still a top consideration, you're ready for the new generation of Cisco Small Business managed switches: the Cisco 350 Series.

Some features and benefits

Cisco 350 Series switches provide the advanced feature set that growing businesses require and that high-bandwidth applications and technologies demand. These switches can improve the availability of your critical applications, protect your business information, and optimize your network bandwidth to more effectively deliver information and support applications. The switches provide the following benefits:

- Ease of management and deployment

- High reliability and resiliency

- Power over Ethernet

- Multigigabit performance

- Networkwide automatic voice deployment

- IPv6 support

- Advanced layer 3 traffic management

- Power efficiency

- Expansion ports

- Peace of mind and investment protection

- Cisco limited lifetime hardware warranty

- World-class service and support

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Cisco Business 140AC Access Point

Ideal for smaller networks, the Cisco Business 140AC Access Point brings a full slate of Cisco high-performance functionality to the business environment.

The Cisco Business 140AC Access Point delivers industry-leading wireless performance with support for the latest wireless standard, IEEE's 802.11ac Wave 2. It also meets the growing flexibility requirements of wireless networks by introducing mesh technology—all while delivering a simple user experience.

The 140AC access point extends coverage and capacity to wireless clients such as smartphones, tablets, and high-performance laptops that have integrated 802.11ac Wave 1 or Wave 2 support.

Some features and benefits

- By adhering to the 802.11ac Wave 2 standard, the Cisco Business 140AC Access Point delivers a data rate of up to 867 Mbps on its 5GHz radio. This exceeds the data rates offered by access points that support the 802.11n standard. It also enables a total aggregate dual-radio data rate of up to 1 Gbps, providing the necessary foundation to stay ahead of the performance expectations and needs of wireless users.

  In recent years, small businesses have increasingly preferred wireless
- access as the principal form of network connectivity. Along with this shift, there is an expectation that wireless should enable a high-performance experience. The Cisco Business 140AC Access Point delivers industry-leading performance for highly secure and reliable wireless connections, for an optimal end-user experience.