



Cisco Catalyst Express 520 Series Switches

Cost-Effective, Secure, and High-Performance Network Switching Foundation for Small and Medium-Sized Businesses



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Overview

Successful companies focus on strategies that help them to anticipate changing business realities. The need to be more agile than competitors, more responsive to customers, and more efficient in operations is never more critical than for small and medium-sized businesses (SMBs). Under constant pressure to increase revenue while containing costs, these businesses know that the right technology is vital to their success.

And yet, while information-age technologies are making SMBs more competitive than ever before, these technologies also can present significant challenges. As business networks become more essential to business success and the number of network-supported applications and devices grows, networks have become more complex and difficult to manage—especially for smaller organizations without a dedicated networking staff. SMBs also need secure, high-performing, and highly reliable networking solutions to help ensure that their essential business processes are always operating and available. In addition, they need all of these capabilities delivered within affordable, easy-to-use network solutions.

Cisco® offers a family of cost-effective, intelligent network platforms that are designed and priced specifically for SMBs. By laying the right network foundation, businesses can build a sustainable competitive advantage despite limited resources, be more productive, and create a network that enables them to offer the availability and services that increase customer satisfaction.



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The Cisco Catalyst® Express 520 Series Switches are a family of fixed-configuration, standalone managed Ethernet switches that provide the reliability, scalability, and rich feature set that your business needs in a cost-effective, easy-to-manage platform. Designed specifically for organizations with fewer than 250 employees, the platforms provide:

- Wire-speed Fast Ethernet and Gigabit Ethernet connectivity to deliver the performance your essential business applications require
- Simple deployment, management, and troubleshooting
- Power over Ethernet (PoE) to help you easily and cost-effectively deploy wireless access points, IP phones, and other network-connected endpoints
- Quality-of-service (QoS) intelligence to prioritize delay-sensitive traffic and allow you to take advantage of productivity-enhancing IP voice and video services
- Robust integrated security to protect sensitive business assets and customer information

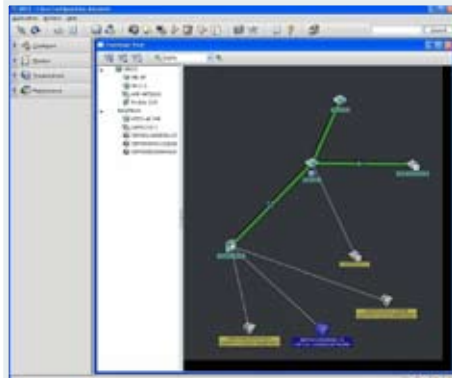
- Easy integration with the Cisco Smart Business Communications System, a complete system of advanced voice, data, video, and wireless networking products designed specifically for SMBs
- Scalability to continually incorporate new applications and services over time
- Simple integration with established architectures without requiring major upgrades to the infrastructure
- Limited Lifetime Warranty and free Cisco IOS® Software updates

A Simple, Powerful Platform

Designed specifically for SMBs, the Cisco Catalyst Express 520 Series can be deployed quickly and managed centrally using the Cisco Configuration Assistant. This easy-to-use tool provides straightforward graphical interfaces to simplify the management, troubleshooting, and ongoing optimization of the Cisco Catalyst Express 520 Series as well as all the devices in the Cisco Smart Business Communication System.

After the network is deployed, Cisco Configuration Assistant can generate status reports, synchronize passwords, and upgrade software across all of your Cisco network

devices, reducing the time your staff must devote to network deployment and configuration and allowing them to focus on your business priorities. Cisco Configuration Assistant makes troubleshooting easy with the Cisco Troubleshooting Advisor, which identifies cabling problems, common configuration errors, and other potential problems in your network before they cause network outages.



The TopologyView graphically represents the types of devices in the network and provides detailed information about device status and physical connections

Strong, Integrated Security

The Cisco Catalyst Express 520 Series provides several layers of security to protect your business. The switches provide embedded encryption capabilities to help ensure that all management traffic to and from the device is protected with Secure Sockets Layer (SSL) encryption. The Cisco Catalyst 520 Series also provides built-in support for advanced security services, including IEEE 802.1x port security, which helps ensure that only authorized users and applications can access your wired and wireless LAN, and Cisco Network Admission Control (NAC) services, which verify that all devices entering your network meet baseline security requirements. In addition, you can easily configure network security options with the Cisco Configuration Assistant, which allows you to choose from three preset levels of security using a simple “security slider.”

An Adaptable Network Foundation

The Cisco Catalyst Express 520 Series also prepares your network for the future. The switches feature embedded QoS intelligence to prioritize voice, video, and data networking traffic, allowing you to help ensure consistent network performance and to support delay-sensitive services such as real-time voice. Cisco Catalyst Express 520 switches are also available with as many as 24 PoE ports, allowing you to power IP phones, wireless access points, or IP video cameras directly over the Ethernet connection. In addition to making it easier to take advantage of advanced voice, video, and wireless services, PoE simplifies deployment by eliminating the need and cost to install separate power supplies for each connected network endpoint.

A Perfect Fit For Any Environment

The Cisco Catalyst Express 520 Series includes five models, each optimized for different types of deployments.



Cisco Catalyst Express 520-24TT

The Cisco Catalyst Express 520-24TT provides 24 access ports for desktop connectivity and two Gigabit Ethernet ports for uplink or server connectivity in general office environments. This switch is ideal for customers that previously used basic, unmanaged switches but that now require a richer network experience, including support for advanced features such as traffic prioritization with QoS, virtual LANs, and secure device traffic.



Cisco Catalyst Express 520-8PC

The Cisco Catalyst Express 520-8PC is an ideal switching foundation for customers that are incorporating or planning to incorporate IP communications or wireless applications into their business. The platform provides eight 15.4-Watt PoE ports to provide a fast, efficient way to connect and power a low-density phone system or small wireless network. The model also includes one 10/100/1000 BASE-T or Small Form-Factor Pluggable (SFP) port for uplink or server connectivity.



Cisco Catalyst Express 520-24LC

The Catalyst Express 520-24LC provides a flexible switching foundation for businesses that primarily require desktop and server connectivity, but that also are using limited IP voice or wireless applications. This model combines 20 10/100 access ports for desktop connectivity, two 10/100/1000 BASE-T or SFP ports for server or uplink connectivity, and four 10/100 access ports with PoE to connect and power network endpoints such as wireless access points, IP phones, or IP-based closed-circuit TV cameras.



Cisco Catalyst Express 520-24PC

For customers that are deploying larger IP telephony systems, IP video surveillance systems, or larger-scale wireless networks, or even for customers that want to prepare their business to support such applications in the future, the Cisco Catalyst Express 520-24PC provides the ideal solution. This model provides 24 10/100 access ports with PoE to connect and power network endpoints in converged networks or wireless implementations, as well as two 10/100/1000 BASE-T or SFP ports for uplink or server connectivity.



Cisco Catalyst Express 520G-TC

For the most demanding business environments, the Cisco Catalyst Express 520G-TC provides 24 ports of Gigabit Ethernet plus two 10/100/1000 BASE-T or SFP ports for server or uplink connectivity. This model can serve as the ideal high-speed network backbone or provide high-speed desktop ports for environments and applications that require the highest-performance connections.



Business Benefits

Building on 20 years of innovation, Cisco brings you a new network foundation of intelligent switches with the Cisco Catalyst Express 520 Series, helping your business:

- Improve employee productivity and customer responsiveness by preserving the availability of your essential business applications
- Meet tight budget restraints while still providing the security, capabilities, and application performance that your employees and customers require
- Improve the operational efficiency of your staff by reducing the time and effort required to configure, manage, and optimize the network
- Rapidly deploy and benefit from advanced IP communications and wireless solutions
- Enhance the security of sensitive business assets and customer information
- Protect your technology investments with a scalable solution that provides built-in features and capabilities to continually support new applications

A Comprehensive Foundation For Your Business Network

As you strive to better support your customers and enhance your profitability, you can expect to continue relying on network applications and communications tools as your business grows. With so much depending on your network, you need to help ensure that your network foundation delivers the security, performance, and uptime that your essential business applications demand. The Cisco Catalyst Express 520 Series provides a robust foundation for your network that combines optimal performance, strong security, and support for advanced wireless and IP communications solutions in an affordable, easy-to-use solution.

For More Information

For more information about the Cisco Catalyst Express 520 Series, visit:

<http://www.cisco.com/go/catalystexpress520>

For more information on the Cisco Configuration Assistant and for a free download, visit:

<http://www.cisco.com/go/configurationassistant>



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