

CISCO SBCS 1.0 Solution Fundamentals

The CE520 in the Solution



Introducing the CE520 The Cisco Catalyst Express 520

The Cisco Catalyst Express 520
Switch is:

- A component of the Cisco Smart Business Communications System.
- A system that integrates:
 - Voice.
 - Security.
 - Wireless networking.
- Easy to deploy.
- Easy to use, while allowing for business growth.





Introducing the CE520 – The Cisco Catalyst Express 520

The Cisco Catalyst Express 520 (CE520) Switch is a component of the Cisco SBCS. This integrated system of voice, security, and wireless networking products provides an affordable, comprehensive communications solution that is easy to deploy and use, while allowing for business growth. The CE520 also supports Smart Assist capability.

Introducing the CE520 CE520 Switch

The CE520:

- Is a fixed-configuration, managed Ethernet switch.
- Provides eight ports of PoE for integration.
- Is designed for easy deployment.
- Ships with predefined software.



Introducing the CE520 – CE520 Switch

The CE520 is a fixed-configuration, managed Ethernet switch that provides eight ports of 10/100 Power over Ethernet (PoE), optimized for integration with the SBCS. The CE520 is designed for ease of deployment and ships with a predefined software configuration to work immediately with the UC520 for Small Business.

Introducing the CE520 Features of the Cisco Catalyst Express

Feature	Description
PoE	Power over Ethernet LAN ports can be used to power Cisco IP Phones or WLAN access points. The 8-port PoE configuration provides 15.4W simultaneously on all ports for transparent integration with the Cisco Smart Business Communications System.
Advanced network security	
Optimized quality of service using Cisco Smartports	
Central management	
Limited lifetime warranty	



Introducing the CE520 – Features of the Cisco Catalyst Express

Introducing the CE520 Features of the Cisco Catalyst Express

Feature	Description
PoE	Advanced network security includes support for IEEE 802.1x, port security, and Secure Sockets Layer (SSL) and integration with Cisco Network Admission Control (NAC).
Advanced network security	
Optimized quality of service using Cisco Smartports	
Central management	
Limited lifetime warranty	



Introducing the CE520 – Features of the Cisco Catalyst Express

Introducing the CE520 Features of the Cisco Catalyst Express

Feature	Description
PoE	Cisco Smartports roles match the appropriate class of service (CoS) and differentiated services code point (DSCP) values to the specific Cisco device connected to the CE520.
Advanced network security	
Optimized quality of service using Cisco Smartports	
Central management	
Limited lifetime warranty	



Introducing the CE520 – Features of the Cisco Catalyst Express

Introducing the CE520 Features of the Cisco Catalyst Express

Feature	Description
PoE	In conjunction with the GUI-based Cisco Configuration Assistant, the CE520 allows centralized management of a Cisco small- and medium-sized business (SMB) network, including Cisco Catalyst switches, Cisco integrated services routers, UC520, and Cisco Unified IP Phones.
Advanced network security	
Optimized quality of service using Cisco Smartports	
Central management	
Limited lifetime warranty	



Introducing the CE520 – Features of the Cisco Catalyst Express

Introducing the CE520 Features of the Cisco Catalyst Express

Feature	Description
PoE	The Cisco CE520 Switches are backed for the life of the product by the Cisco Limited Lifetime Hardware Warranty.
Advanced network security	
Optimized quality of service using Cisco Smartports	
Central management	
Limited lifetime warranty	



Introducing the CE520 – Features of the Cisco Catalyst Express

Introducing the CE520 Primary Benefits of the CE520

Benefit	Description
Purpose-built	The CE520 is designed for ease of deployment and ships with a predefined software configuration to work immediately with Cisco's UC520.
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

Introducing the CE520 Primary Benefits of the CE520

Benefit	Description
Purpose-built	With nonblocking, wire-speed switching on all ports, the CE520 offers 10/100-Mbps ports for desktop, wireless access point, printer, and IP phone connectivity and one 10/100/1000BASE-T or Small Form-Factor Pluggable (SFP) port for uplink connectivity. With head-of-line blocking prevention, a heavily congested port will not affect performance on other ports on the switch.
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

Introducing the CE520 Primary Benefits of the CE520

Benefit	Description
Purpose-built	<p>The Cisco Catalyst Express 520 Switch is easy to use. The switch is initialized through the GUI Device Manager; no console cable or terminal emulation application is needed. Integrated intelligence optimizes the switch at the system level. Optimal configuration for each port can be applied by choosing from 10 preset Cisco Smartports roles. In addition, all PoE ports can supply up to the IEEE standard maximum of 15.4W simultaneously without the need of an external power supply. There is no need to perform creative power budgeting or worry about exceeding the power limit or adding an external power shelf. All ports support autonegotiation of port speed and duplex. With automatic medium-dependent interface crossover (Auto-MDIX) detection support, you do not have to worry about incorrect cable types.</p>
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

Introducing the CE520 Primary Benefits of the CE520

Benefit	Description
Purpose-built	The Cisco Catalyst Express 520 Switch offers layers of security to protect your business. To secure the device, management traffic to and from the GUI Device Manager can be encrypted with SSL. For network security, you can choose from three business-optimized security levels. With the NAC appliance solution, the Cisco Catalyst Express 520 Series helps protect your network against worms and viruses and raises the overall security protection of your network to the next level.
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

Introducing the CE520

Primary Benefits of the CE520

Benefit	Description
Purpose-built	Troubleshooting is easy with the Cisco Troubleshooting Advisor, which identifies cabling problems such as wiring openings and shorts, common configuration errors, and other potential problems in your network and recommends corrective action. Graphical trend charts and an alert LED help identify problems before they cause network outages.
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

Introducing the CE520 Primary Benefits of the CE520

Benefit	Description
Purpose-built	Cisco Services offer a flexible suite of support services designed to help maintain high-quality network performance while controlling operational costs. The services and support programs, SMARTnet and Cisco SMB Support Assistant, are available as part of the Cisco Catalyst Express 520 Service and Support Solution and are available directly from Cisco and through resellers.
High performance	
Ease of use	
Security	
Easy monitoring and troubleshooting	
Service and support	



Introducing the CE520 – Primary Benefits of the CE520

