



## DATA SHEET

# CISCO NETWORK ASSISTANT 3.0 FOR THE CISCO CATALYST EXPRESS 500 SERIES

## PRODUCT OVERVIEW

Cisco® Network Assistant offers centralized management and configuration of Cisco small- and mid-sized-business (SMB) networks by using Cisco Smartports technology to simplify deployment and ongoing maintenance. Cisco Network Assistant is a PC-based network management application optimized for SMB networks with up to 250 users.

Through a user-friendly GUI, users easily can apply common services such as configuration management, inventory reports, password synchronization, and drag-and-drop Cisco IOS® Software upgrade across Cisco SMB-class switches, routers, and access points. Cisco Network Assistant is available at no cost and can be downloaded from [www.cisco.com](http://www.cisco.com).

One of the highlights of Cisco Network Assistant 3.0 is support for the new Cisco Catalyst® Express 500 Series switches. Powered by Cisco Systems® technology and built for SMB network needs, the Catalyst Express 500 uses its embedded Web-based device manager and Cisco Network Assistant 3.0 for port, device, and network-level functions. Cisco Network Assistant 3.0 offers a quick and easy way to manage the Catalyst Express 500 Series and its unique features help ensure that network management is smart, simple, and secure.

## KEY FEATURES AND BENEFITS

### Smartports Advisor

Cisco Smartports technology provides a set of common configurations that helps enable network security and quality of service (QoS) to be enabled accurately for Cisco network devices. With Smartports Advisor, the Cisco Catalyst Express 500 Series automatically discovers connected Cisco devices and suggests appropriate Smartports roles. Unique to the Catalyst Express 500 Series are additional Smartports roles for third-party devices such as servers, and the ability to detect misconfigured ports.

### Troubleshooting Advisor

Cisco Network Assistant 3.0 offers an enhanced level of simplified troubleshooting by automatically identifying potential network issues and documenting them with a graphical trend chart. Examples are cabling issues, configuration errors, and potential problems in a network. Users receive an explanation of the problem, and the corrective action is as simple as a single mouse click.

### Network Synchronization

This feature detects inconsistent settings in the network such as VLAN mismatches, centralized time, and security policies. Working in concert with the Troubleshooting Advisor, these inconsistencies are detected and fixed easily.

### Drag-and-Drop Cisco IOS Software Upgrade

With this feature, it is easy to upgrade Cisco IOS Software on Catalyst Express 500 Series switches, routers, or access points by dragging the Cisco IOS Software from the PC desktop and dropping it onto the icon of the desired device in the topology view. Users do not need to type out the Cisco IOS Software filename or select a particular Trivial File Transfer Protocol (TFTP) server IP address.

## Event Notification

The new event notification system alerts users when a new version of Cisco Network Assistant is available for download, a potential issue arises with a device in your network, or if a configuration change is required. A dialogue box provides all necessary information regarding the event such as time, description, and, if applicable, suggestions to resolve the issue.

## Task-Based Menu

Navigating through Cisco Network Assistant is intuitive and direct. The main tool bar is divided into four categories to easily find the important tasks and features to manage your Catalyst Express 500 Series Switch: Configure, Monitor, Troubleshoot, and Maintenance. Cisco Network Assistant 3.0 supports keyboard shortcuts for easy navigation throughout the application, allowing users the option to navigate with a mouse or keyboard.

## Topology and Front Panel Views

Users can monitor their network from two perspectives—the physical topology view and the front panel view. The topology graphically represents the types of devices in the network as well as detailed information about device status, physical connections, and various monitoring capabilities, all from a single view. The front panel view displays switches in the network simultaneously with the state, duplex, and speed of switch ports. Users can save time by selecting multiple ports across multiple switches to set parameters, such as VLANs.

## Security Slider

Network security and access to your Catalyst Express 500 Series switches is facilitated by choosing the desired level (Low, Medium, or High) on the Security Slider in Cisco Network Assistant. The Low setting (default) provides port security and protection against broadcast storms. The Medium setting adds MAC address authentication. The High setting adds IEEE 802.1x authentication for media-level access control, offering the capability to permit or deny network connectivity, and control VLAN access based on user or machine identity.

## Secure Wireless

As WLAN becomes universal, enabling WLAN security is necessary, even for small businesses. Using the intelligence built into the Catalyst Express 500 Series, Cisco Network Assistant will guide through the configuration of setting up Service Set Identifier (SSID) and Wired Equivalent Privacy (WEP) on Cisco Aironet® wireless access points.

## Guest Port

Guest Port provides your guests with connectivity to the Internet only. Guest Port users are separated from internal network traffic so that the confidential “intranet access only” information and services remain secure from unauthorized guest users.

## SUPPORTED CISCO CATALYST EXPRESS SWITCHES

Table 1 lists the various Cisco Catalyst Express 500 Series switches supported by Cisco Network Assistant 3.0.

**Table 1.** Supported Cisco Catalyst Express Switches

Product Name	SKU Configuration
Catalyst Express 500-24TT	<ul style="list-style-type: none"><li>• Twenty-four 10/100 ports for desktop connectivity</li><li>• Two 10/100/1000BASE-T ports for uplink or server connectivity</li></ul>
Catalyst Express 500-24LC	<ul style="list-style-type: none"><li>• Twenty 10/100 ports for desktop connectivity</li><li>• Four 10/100 Power over Ethernet (PoE) ports for desktop, wireless access point, IP telephony, or closed-circuit TV camera connectivity</li><li>• Two 10/100/1000BASE-T or Small Form-Factor Pluggable (SFP) ports for uplink or server connectivity</li></ul>
Catalyst Express 500-24PC	<ul style="list-style-type: none"><li>• Twenty-four 10/100 PoE ports for desktop, wireless, IP telephony, or closed-circuit TV camera connectivity</li><li>• Two 10/100/1000BASE-T or SFP ports for uplink or server connectivity</li></ul>
Catalyst Express 500G-12TC	<ul style="list-style-type: none"><li>• Eight 10/100/1000BASE-T and four 10/100/1000BASE-T or SFP ports for server aggregation or server connectivity</li></ul>

## OTHER PLATFORM SUPPORT

In addition to modular and fixed Cisco Catalyst switch support, Cisco Network Assistant supports the following Cisco platforms: integrated services routers and EtherSwitch® network modules, Cisco Aironet wireless access points, and Cisco IP phones. For more information, please see the following links:

### Integrated Services Routers

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

### Wireless Access Points

<http://www.cisco.com/en/US/products/hw/wireless/index.html>

### Cisco IP Phones

<http://www.cisco.com/en/US/netso1/ns339/ns395/ns359/ns331/netbr0900aecd800a8d56.html>

## SYSTEM REQUIREMENTS

Table 2 lists the system requirements for Cisco Network Assistant 3.0.

**Table 2.** System Requirements

Description	Requirement
Operating System	Windows NT 4.0, Service Pack 6 or later; Windows 2000, Service Pack 3 or later; Windows XP, Service Pack 1
Disk Space	50 MB of hard drive space
Hardware	PC with 233 MHz
Memory	128 MB

## DOWNLOAD

Download Cisco Network Assistant 3.0 for free at <http://www.cisco.com/go/cna>.

**Corporate Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

**European Headquarters**

Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
www-europe.cisco.com  
Tel: 31 0 20 357 1000  
Fax: 31 0 20 357 1100

**Americas Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-7660  
Fax: 408 527-0883

**Asia Pacific Headquarters**

Cisco Systems, Inc.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
www.cisco.com  
Tel: +65 6317 7777  
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on **the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Cyprus  
Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel  
Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal  
Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan  
Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2005 Cisco Systems, Inc. All rights reserved. CCSP, CCVP, the Cisco Square Bridge logo, Follow Me Browsing, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Access Registrar, Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Empowering the Internet Generation, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, FormShare, GigaDrive, GigaStack, HomeLink, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, Linksys, MeetingPlace, MGX, the Networkers logo, Networking Academy, Network Registrar, Packet, PIX, Post-Routing, Pre-Routing, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, StrataView Plus, TeleRouter, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0502R) 205356.N\_ETMG\_CC\_8.05

