

Cisco Internet Mobile Office: Maximum Productivity for Professionals on the Move



Overview: A Workplace in Motion

It's no secret that today's professionals are spending more time than ever working away from the office. In the Internet economy, employees on the move depend on networking to communicate with their clients, partners, and coworkers. Yet these mobile professionals often have limited access to the people, information, and tools they need to be productive.

Traditional remote networking is often too slow, unreliable, expensive, or inconvenient to meet the needs of business professionals on the move. Simply locating a working phone jack in an airport or hotel room can be an extraordinary task. And the firewalls that keep company information secure can pose additional obstacles for those who need network access.

Network administrators face their own problems as they contend with managing a mobile workforce. Opening a corporate network to mobile access can make it vulnerable to unknown security risks. Dialup charges, equipment replacement, and cumbersome billing systems strain patience as well as budgets.

Despite these pitfalls, the need for mobile connectivity is here to stay. According to IDC, 45 million of today's mobile business professionals need to access the Internet or their corporate network. And as more low-priced, high-powered notebook PCs, hand-held devices, and cell phones emerge, their numbers will continue to grow.

To meet the need for secure broadband access anytime, anywhere, Cisco Systems has partnered with other industry leaders to introduce the Cisco Internet Mobile Office. A flexible, easy-to-use solution, the Cisco Internet Mobile Office enables secure wired and wireless connectivity for mobile professionals over the Internet.

Combining state-of-the-art VPN security and broadband bandwidth with easy configuration, the Cisco Internet Mobile office delivers "on-the-move" access to broadband networking. It's the most comprehensive solution on the market today, enabling mobile employees to stay productive with a manageable solution.



**Cisco Internet
Mobile Office**



Access When You Need It, Where You Need It

Designed specifically for the needs of professionals away from the corporate office, the Cisco Internet Mobile Office delivers reliable, hassle-free Internet or secure enterprise LAN access, either with or without wires. While competing vendors might offer portions of a mobile system, only Cisco offers a complete, unified solution that delivers:

- A comprehensive set of advanced wired and wireless networking solutions
- Technologies that enable fast, convenient connectivity
- Continuous, end-to-end security
- Standards-based interoperability
- Expandable, upgradeable platforms to future-proof your organization
- Options for mobility settlement offering integrated billing and user interfaces

Furthermore, the Cisco Internet Mobile Office is the only solution backed by a team of industry-leading partners who deliver content, infrastructure, access, and enabling technologies to keep you connected and productive while on the move. Together, Cisco and its partners unlock compelling benefits at every level of your company, from network administrators and IT management through to the mobile workforce.

End-to-End Benefits

The Cisco Internet Mobile Office delivers an end-to-end, integrated solution that combines Cisco and partner technologies to meet the needs of your organization.

For Mobile Professionals

- Cisco wireless and wired LAN technologies are flexible and easy-to-use, enabling employees to maintain Ethernet-speed communication with associates, customers and clients—while on the move.
- Instant, reliable, secure network access provides connectivity anywhere, without compromising speed or confidentiality.

- Highly available mobile networking helps increase efficiency and overall productivity away from the office.
- Access to leading business applications provides additional tools for mobile professionals, such as Web-based printing services.
- Intuitive end-user interface and billing settlement systems make access and accounting convenient.
- Cisco Powered Network service providers deliver usage models and prices for mobile remote access that accommodate every user need.

For Enterprise IT

- The Cisco Internet Mobile Office lets IT staff deliver the high-speed, reliable solution their mobile workers demand—cost-effectively.
- Cisco virtual private network (VPN) features, powered by Internet Protocol Security (IPSec) and other technologies, ensure secure end-to-end connectivity at all times, protecting the most sensitive communications.
- Affordable technology helps minimize overall expenses as organizations boost productivity.
- The Cisco Internet Mobile Office solution integrates seamlessly and easily into the existing network infrastructure, letting you leverage your existing network and avoid costly upgrades.
- Scalable, future-proof technologies support voice, video and converged data applications.
- Access to a worldwide database of secure public access “hotspots” such as airports, hotels, convention centers, and other locations frequented by business travelers. These locations are installed and maintained by Cisco Powered Network service providers, to deliver remote connectivity with maximum reliability and performance.



Complete, Integrated Technologies

At the center of the Cisco Internet Mobile Office are proven Cisco networking products that enable enterprises and service providers to build a unified, end-to-end communication infrastructure of their own, or to connect to other networks. Cisco solutions deliver a market-leading combination of performance, reliability and manageability. Backed by Cisco IOS® management software, which supports network services and enables networked applications, Cisco networking products provide the features and technologies needed to power advanced wired and wireless connectivity.

Cisco Aironet® 350—This series of wireless LAN (WLAN) products provide a standards-based, field proven, high-speed wireless networking solution for both in-building and building-to-building WLAN applications. Leveraging RADIUS user-based authentication in a highly scalable and reliable platform, the series is ideal for mobile professionals who need the security, flexibility and freedom of a WLAN to enhance productivity.

Cisco Long-Reach Ethernet—Cisco Long-Reach Ethernet (LRE) in-building technology lets service providers deliver high-performance, low-cost broadband access to multiunit buildings. Based on the industry-leading Cisco Catalyst® Switch family, the LRE solution is easy to configure and deploy and offers compelling advantages in cost, performance, scalability and services compared to traditional ATM-based DSL solutions and other hybrid DSL technologies.

Cisco Catalyst LAN Switches—The comprehensive line of Cisco high-performance Layer 2 and Layer 3 switches delivers the scalability, flexibility, performance, and manageability required for advanced wireless and wired applications in Cisco Internet Mobile Office access hotspots. Catalyst switches cost-effectively enhance performance throughout every area of the hotspots' distribution and core network.

WAN Connectivity—Cisco routers combine cost-effective performance and high-density, dedicated access at the network edge for service providers and enterprise IT staff. Using Cisco WAN connectivity solutions, service providers can deploy mobile network hotspots that deliver network access to public places.

Cisco PIX™ Firewall—Cisco firewalls, such as the Cisco PIX 500 series, deliver strong, end-to-end security in an easy-to-install, integrated hardware/software appliance that gives mobile users and enterprise IT outstanding performance, protection, and peace of mind.

Cisco VPN Solutions—Cisco VPN solutions, such as the Cisco VPN 3000 Concentrator, deliver secure end-to-end access and remote site-to-enterprise connectivity. Leveraging technologies such as IPSec and MultiProtocol Label Switching (MPLS), enterprise IT staff can offer secure wireless connectivity and new managed services.

Subscriber Provisioning Gateways—These solutions act as a “toll gate” to enable Internet service providers (ISPs) to provide network access to their subscribers. By connecting to a gateway, mobile professionals can enjoy customized wired and wireless services on the move, in public places like hotels and convention centers. For example, Cisco Building Broadband Services Manager provides security, accounting, authorization, reporting, policy, and management functionality to multiuser locations.

Third-Party Settlement Services

Cisco networking technologies are enhanced by third-party settlement services that maximize the convenience and cost-effectiveness of the Cisco Internet Mobile Office. To facilitate instant, convenient broadband network connectivity, ISPs can use third-party settlement services that consolidate access charges from multiple public access networks into a single bill to enable seamless roaming by end users. Reduced long-distance and 800 dialup charges further increase your organization's savings.



The Partnerships to Make It Work

Technology alone is not enough to deliver a comprehensive mobile solution. That's why the Cisco Internet Mobile Office is backed by a team of leading service providers, solution integrators, application service providers and other enabling technology partners. These industry leaders have partnered with Cisco to build a comprehensive infrastructure of equipment and services that enables broadband connections in hotels, airports, convention centers, and other public places.

- Cisco Powered Network service providers such as CAIS Internet, Global Digital Media, MobileStar, and Wayport provide the network infrastructure to help mobile professionals get connected quickly and reliably—anywhere in the world, via wired or wireless links.
- Solution integrators such as Concourse Communications and EDS work closely with service providers and enterprise IT managers to assemble the right mix of Cisco technologies and services that are tailored to meet your organization's mobile needs.
- Application service providers deliver the specialized services and tools needed to meet the demands of mobile professionals. For example, Mimeo, the industry leader in enterprise document printing, provides solutions that help mobile business professionals become more productive by allowing them to print, bind and deliver top-quality documents and presentations from any PC application anytime, anywhere.
- Enabling solutions such as Global Broadband Roaming allow carriers and service providers to deploy secure broadband connections to multiple locations and users.

Connectivity Wherever You Are

The Cisco Internet Mobile Office solution is designed to work where you work. Whether you're at an airport, hotel, convention center, or train station, Cisco gives you the freedom to connect to the Internet or corporate LAN using the technology you choose. Get online instantly to read and answer e-mail between flights, send the day's sales figures to the office, or review and revise your team's latest presentation. Anytime, anywhere—at broadband speeds.

With hundreds of Cisco Internet Mobile Access hotspots already active throughout the United States, and the number is rapidly growing. You'll find Cisco networking technology at leading airports, hotels, and convention centers today, with additional mobile access hotspots planned for other public spaces in the near future.

Business travelers can find a complete listing of Cisco Internet Mobile Access hotspots on our Web site (www.cisco.com/warp/public/779/smbiz/cmo/hotspots/). This indispensable travel planning tool can help you stay productive on the move.

Getting Started

Best of all, your organization can easily get started using the Cisco Internet Mobile Office:

- **Determine your remote access needs**—Discuss your organization's overall business objectives to discover and prioritize your employees' remote access requirements. Determine whether users require access while traveling while on the move. If you already have a remote access network, what are its limitations?
- **Analyze your existing network**—Deploying a mobile access solution can affect network traffic and require additional capacity. Create an inventory of your current network infrastructure, including LAN and WAN equipment and bandwidth capacities, network management software, and security policies and capabilities.
- **Contact your Cisco representative**—Cisco representatives and partners can help develop a customized solution that best meets your needs. Visit Cisco Online—To learn more about how and where Cisco Internet Mobile Office can enhance your mobile productivity, visit www.cisco.com/go/mobileoffice.

Additional Links

Visit the Cisco Web site for detailed information about the Cisco Internet Mobile Office and specific products:

Cisco Internet Mobile Office	www.cisco.com/go/mobileoffice
Cisco Internet Mobile Office Hotspots	www.cisco.com/warp/public/779/smbiz/cmo/hotspots/
Cisco Aironet 350	www.cisco.com/warp/public/cc/pd/witc/ao350ap/index.shtml
Cisco PIX 500 Firewall	www.cisco.com/warp/public/cc/pd/fw/sqfw500/
Building Broadband Service Manager	www.caissoft.com www.cisco.com/warp/public/cc/pd/si/casi/ca2900lr/prodlit/lrehp_sg.htm
Global Broadband Roaming	www.cisco.com/warp/public/779/servpro/solutions/dsl/gbr.html
Cisco VPN 3000 Concentrator	www.cisco.com/univercd/cc/td/doc/pcat/3000.htm
Cisco LRE Solution	www.cisco.com/warp/public/cc/pd/si/casi/ca2900lr/
Catalyst 3524 XL-PWR	www.cisco.com/warp/public/cc/pd/si/casi/ca3500xl/
Catalyst 3508 XLG	www.cisco.com/warp/public/cc/pd/si/casi/ca3500xl/
Cisco 2600 Routers	www.cisco.com/warp/public/cc/pd/rt/2600/index.shtml
Cisco 3600 Routers	www.cisco.com/warp/public/cc/pd/rt/3600/index.shtml
Cisco 7100 Routers	www.cisco.com/warp/public/cc/pd/rt/7100/
Cisco 7200 Routers	www.cisco.com/warp/public/cc/pd/rt/7200/prodlit/c7200_ds.htm



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