

Nokia Wireless Accelerator

Nokia Wireless Accelerator provides acceleration to optimize data communication over GPRS and other wireless networks. Fully integrated with Nokia IP Security Platforms and Nokia IP VPN solutions, it enhances the end user's experience of securely downloading enterprise data over wireless networks. With its flexible configuration, Nokia Wireless Accelerator works transparently with existing services and does not require any changes to existing content or applications.

Benefits

- Faster, secure access to enterprise resources for mobile workers
- Cost savings in remote access bills for enterprises
- Increased productivity with usable remote access connectivity
- Fast and simple deployment with Nokia IP Security Platform

Maximum value for the enterprise

Today's traveling professionals need instant and reliable access to confidential company email and files that reside within the enterprise intranet. With Nokia Wireless Accelerator, IPsec VPN-secured corporate applications like intranet, web, email, Lotus Notes, SAP, and folder-sharing are available over an accelerated wireless link. By taking advantage of decreased download times with Nokia Wireless Accelerator, enterprises can improve their work efficiency immediately.

Key features

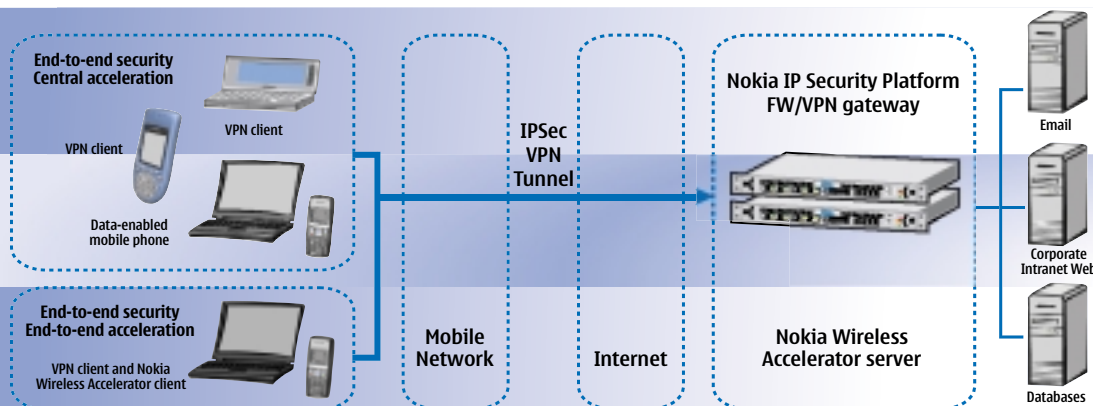
- Comprehensive application protocol support: HTTP, FTP, POP, IMAP, SMTP, NNTP, SAP and Lotus Notes
- Proven IPsec VPN compliance for secure end-to-end or central acceleration
- Optional client software available for laptops maximizing acceleration performance
- Fully integrated with Nokia IP Security Platforms and Nokia Platform Management solutions



- Security, performance and reliability are all backed by world-class support and services available globally from Nokia

Flexible deployment models

Nokia Wireless Accelerator provides client-server and server-only acceleration models. Enterprises can choose the acceleration model that best suits their remote access deployment, or supports both acceleration models simultaneously with single installation of Nokia Wireless Accelerator. The server-only acceleration model does not require any client installation—only a web browser that has Nokia Wireless Accelerator set as a proxy is required. This configuration is especially useful with devices running operating systems other than Microsoft Windows. Any device with HTTP 1.1 compatible web browser can benefit from



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server-only acceleration feature of Nokia Wireless Accelerator dependent upon whether the web browser supports the standard configuration web proxy IP address and port number. Nokia 9200 Series Communicators and Nokia Series 60 devices (e.g., Nokia 3650, Nokia 7650) are examples of mobile terminals that can be used together with Nokia Wireless Accelerator.

The client-server model is used together with Nokia Wireless Accelerator in server-only acceleration model running the Microsoft Windows operating system. When compared to a server-only acceleration, this model provides still better savings both in time to receive requested content and in amount of data transferred. The Nokia Wireless Accelerator client can be integrated with Check Point SecureClient® for automatic start-up upon detection of the wireless link (e.g., GPRS) and successful activation of the VPN client. Similar to the server-only acceleration model, Nokia Wireless Accelerator server software is installed on a Nokia IP Security Platform.

Content optimization and compression

Due to bandwidth or device screen restrictions, web pages may contain irrelevant or undesired content. With Nokia Wireless Accelerator, the content that increases download times, such as audio, video, HTML comments, banners, and GIF animations, can be removed from the requested content. Additionally, image resolutions can be reduced before sending them across a wireless link. The original uncompressed image can be conveniently reloaded with a single click, if necessary.

Transparently compressed Web content sent from the origin server is decompressed at the user's laptop for viewing through a Web browser. As a result, end-users can surf the Web, access email, download Microsoft files,

and use other applications much faster than with conventional wireless data. Using IPSec VPN will not affect acceleration performance.

Protocol optimization

All TCP/IP traffic is not best suited for wireless connections. Nokia Wireless Accelerator also provides a uniquely optimized protocol for reducing traffic that is not content-related. Even in the server only mode, protocol optimization compresses the data to a level supported by most Web browsers today.

Nokia Wireless Accelerator server transfers Web content from the Internet and intranets to mobile clients in a format that is optimized for wireless transmissions. In the client-server model, Nokia Wireless Accelerator Client transforms the optimized format back to documents that can be viewed through a Web browser and stores them in a local document cache.

With its comprehensive techniques, Nokia Wireless Accelerator efficiently optimizes data under real network conditions to make it more suitable for wireless connections.

Proven and manageable technology

Nokia IP Security Platforms combine market-leading security software and world-class IP routing to provide high-performance network security solutions. Built for rapid deployment and supported top-to-bottom by Nokia First Call—Final Resolution support, Nokia IP Security Platforms simplify and accelerate the deployment of sophisticated security installations.

The wide range of Nokia IP Security Platforms allow you to choose the networking, performance, and redundancy options that meet the demands of your business. Whether you need low-cost premise solutions for small to mid-size networks,

or carrier-class security for mission-critical implementations, each Nokia IP Security Platform features high quality construction, ease of installation and operation, and market-leading software.

For those tasked with enabling business applications across their organizations, Nokia secure, reliable IP Security Appliances combine best-of-breed software on purpose built-platforms, featuring Nokia IPSO, a security specific operating system. Nokia also offers IPSec VPN solutions for authentication and security needs of enterprise remote access. Nokia Wireless Accelerator is fully integrated with Nokia IP Security Platforms and Nokia Platform Management solutions. Furthermore, Nokia Wireless Accelerator can be configured via Nokia Network Voyager element management tool and managed using Nokia Horizon Manager.

Requirements

Nokia Wireless Accelerator server runs on Nokia IP Security Platform and the optional Nokia Wireless Accelerator client on Microsoft Windows operating systems. Platform and application management is done using standard Nokia Platform Management solutions. Enterprise remote access authentication and security needs are addressed through an enterprises' existing IPSec VPN solutions.

Nokia Wireless Accelerator V2.0 server

- Nokia IP Security Platforms IP120, IP130, IP350, IP380, IP530, IP710 and IP740
- Nokia IPSO 3.7 operating system

*Additional support on some Nokia legacy systems.

Nokia Wireless Accelerator V2.0 client (optional)

- Intel Pentium II 266MHz or higher processor
- 64MB of RAM
- 128MB of hard disk space
- Microsoft Windows operating system

VPN Gateway

- Check Point VPN-1®/FireWall-1® Feature Pack 3 or higher

*If Nokia Wireless Accelerator server is run on the same Nokia IP Security Platform as the VPN gateway

Management

- Element management: Nokia Network Voyager
- Centralized management: "Do No Harm" intelligence with Nokia Horizon Manager v1.3.1

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