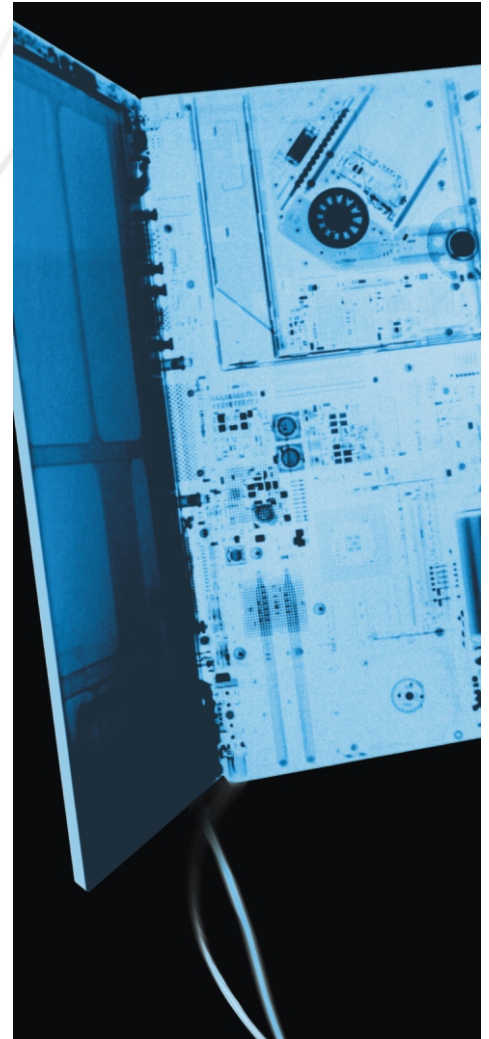
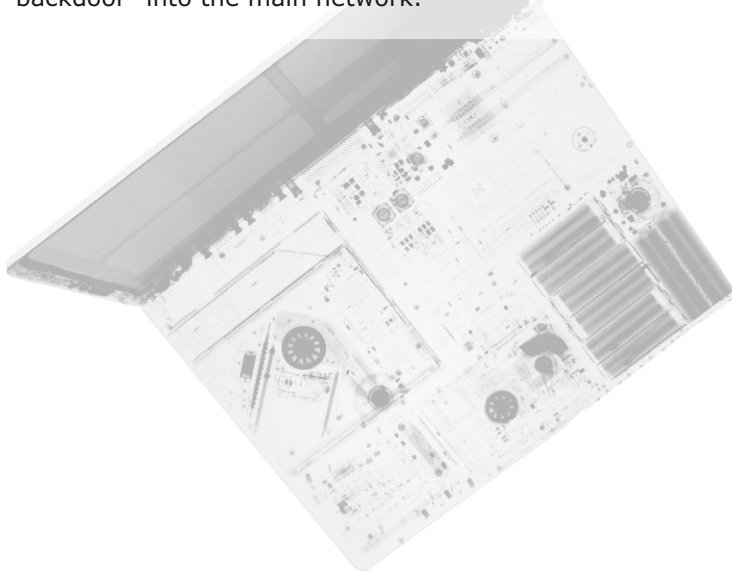




## Astaro Secure Client

A Virtual Private Network (VPN) allows organizations to use the Internet for communication with mobile employees and remote offices at a low cost while maintaining good security.

The Astaro Secure Client ensures the highest levels of security for VPN connections by providing an IPSec VPN client. Advanced encryption algorithms protect the entire network against unauthorized access. Strong user authentication methods ensure that only authorized users can access the central VPN gateway. An integrated dialer simplifies operations, and a personal firewall prevents hackers from taking over the client and creating a "backdoor" into the main network.



### Description

Astaro Secure Client provides strong user authentication and end-to-end encryption so that mobile workers, home workers, and remote offices can communicate securely over the Internet with a central VPN gateway.

An integrated stateful packet inspection firewall protects the user's computer as soon as it is started, even if the VPN connection is not established.

Automated Hot-Spot detection dynamically opens only those ports needed for Hot-Spot-Login.

Astaro Secure Client also includes an integrated dialer to simplify operations and improve the security of the remote systems.

### Choice of Network Topology

By supporting a wide variety of network technologies, the IPSec client can be used in basically any environment:

- ▶ LAN/Ethernet
- ▶ WLAN
- ▶ DSL, PPPoE, PPPoA
- ▶ ISDN (channel bundling)
- ▶ Modem
- ▶ GPRS, UMTS

### Advanced Features

Astaro Secure Client offers an impressive feature set, including:

- ▶ IPSec, Internet Key Exchange (IKE), Main Mode
- ▶ NAT-Traversal for passing Network Address Translation (NAT) devices
- ▶ Virtual IP address support
- ▶ Perfect Forward Secrecy (PFS)
- ▶ API for controlling the client by your own applications
- ▶ Compatible with Astaro Security Linux software, Astaro Security Gateway appliances and other IPSec-compliant VPN gateways
- ▶ Configuration files generated on Astaro's VPN gateways can be imported directly into the client



### Strong Authentication

Astaro Secure Client works with a number of strong authentication methods to prevent unauthorized users from gaining access to the corporate network:

- ▶ Pre-Shared Key (PSK)
- ▶ X.509 v.3 certificates
- ▶ PKCS#11
- ▶ PKCS#12
- ▶ Smart Cards
- ▶ USB Tokens
- ▶ Biometric devices

### Advanced Encryption

You can choose from a variety of advanced cryptographic methods including:

- ▶ AES (128/192/256 Bit)
- ▶ 3DES, DES
- ▶ Blowfish
- ▶ RSA (1024-4096 Bit)
- ▶ Diffie-Hellman groups 1, 2, 5
- ▶ SHA-1, Md5

### Data compression

Astaro Secure Client supports (Deflate-) compression of IP packets for faster data speeds.

### Convenient Remote Access and Dial-in

By providing an integrated dialer and line management, the client makes it easy to connect to central offices and manage the connections. This avoids the compatibility problems that can occur when VPN clients are dependent on the Microsoft RAS dialer. Features include:

- ▶ International dial-in
- ▶ Dialer Protection - preventing Trojan dialers and spyware from dialing out to expensive telephone numbers
- ▶ Multiple remote subnets for the same connection definition
- ▶ Specification of connection-specific DNS and WINS servers
- ▶ Failover to alternative gateway
- ▶ Prevent misconfiguration by restricting users' rights

### Windows XP Support

Astaro Secure Client operates reliably with Windows XP Service Pack 2 (Sp2).

### Personal Firewall

A stateful personal firewall and application dependent filtering rules prevent hackers from taking control of the remote system and causing damage or creating a "backdoor" into the

organization's central network (denial of split tunneling).

The personal firewall provides the following capabilities:

- ▶ Stateful packet filtering based on IP address, port number and MAC address
- ▶ Application control bind packet filter rules to specific applications
- ▶ Automatic recognition of connected location ("friendly networks")
- ▶ Protection against ARP spoofing
- ▶ Detailed Logging of Firewall activity
- ▶ Seamless integration with VPN client

### Easy to Use

Astaro Secure Client offers a user-friendly access to the VPN:

- ▶ Easy installation
- ▶ Configuration wizard
- ▶ Automatic or manual VPN dialing mode

### System Requirements

Minimum requirements:

- ▶ 64 MB RAM
- ▶ 10 MB free disk space
- ▶ Network adaptor
- ▶ Windows 98SE/ME/NT 4.0 Service Pack 5 (SP5)/2000/XP

## About Astaro

Astaro provides a network security solution that is complete, simple to manage, affordable, and effective. Astaro selects and integrates the best of open source security software to provide the widest range of innovative security technology available in a single package. Astaro's technology has won numerous awards, and is in use on over 20,000 networks in more than 60 countries. Astaro's products are distributed by a worldwide network of solutions partners who offer local support and services.



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internet security

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