

Alcatel-Lucent VPN Firewall Brick Portfolio

SECURE VOIP WITH LOW TOTAL COST OF OWNERSHIP



Alcatel-Lucent delivers advanced patented technology to secure today's state-of-the art VoIP applications such as Unlicensed Mobile Access (UMA), IP Multimedia Services (IMS), IP Telephony, and video/audio web conferencing. Alcatel-Lucent offers the highest level of security – without compromising toll grade quality, performance or reliability.



FEATURES

- Dynamic pinholes
- Bandwidth management
- Integrated high availability
- Centralized management
- Broad portfolio
- Alcatel-Lucent patented protection

BENEFITS

- H.323 and SIP protocols require application layer filtering to open dynamic pinholes to connect each call securely.
- The VPN Firewall Brick enforces bandwidth per call to ensure toll quality voice.
- The Alcatel-Lucent end-to-end redundancy architecture provides VoIP security with no service out-ages or dropped calls.
- Alcatel-Lucent Security Management Server reduces costs associated with management and provisioning.
- The comprehensive product portfolio offers the same features on all platforms from SOHO to large Data Center.
- The Alcatel-Lucent VPN Firewall Brick provides advanced protection against Distributed Denial of Service (DDoS) attacks.

Alcatel-Lucent addresses the VoIP security challenge

The Alcatel-Lucent VPN Firewall Brick® portfolio provides the highest level of security for today's VoIP networks. Using the Alcatel-Lucent-developed Security Operating System (SOS), the Alcatel-Lucent VPN Firewall Brick security appliance guarantees a high level of performance while filtering the traffic at the application layer.

The VPN Firewall Brick monitors every call and dynamically opens, session-by-session (call-by-call), the specific firewall ports to enforce the security policy and guarantee the minimum bandwidth requested for the call. Once the call is completed, the VPN Firewall Brick dynamically closes the ports used during the session and gives back the bandwidth to the network. The integrated redundancy features also ensure that even in the event of a hardware failure, active calls will not be dropped.

The centralized policy management and monitoring facilities of the Alcatel-Lucent Security Management Server (SMS) are tightly integrated with the VPN Firewall Brick security appliances, enabling administrators to monitor and enforce, in real time, the security policies of each Brick system.

VoIP Solutions provided by VPN Firewall Brick :

- Ensures quality of service of VoIP calls on busy data network.
- Secures VoIP and data networks while ensuring continuity of service.
- Prevents intrusions such as session hijacking, eavesdropping, and denial of service.
 - Maintains the same level of security whether the network is in a Network Address Translation (NAT) environment or not.
- Enforces security without compromising the quality, performance or reliability of the network.

The Alcatel-Lucent VPN Firewall Brick portfolio forms a unique 3-tier security architecture and includes:

- **VPN Firewall Brick security appliances** — Security appliances that integrate application layer inspection, firewall functionality with advanced VPN capabilities for small office through data-center requirements
- **Alcatel-Lucent Security Management Server (SMS)** — Software for robust, tightly synchronized firewall, VPN, service quality, VLAN and virtual firewall policy management.
- **Alcatel-Lucent IPSec Client** — Software that provides secure remote access VPN services for mobile workforce and telecommuters.

To learn more about our comprehensive portfolio, contact your Alcatel-Lucent sales representative, authorized reseller or sales agent.

You can also visit our web site at www.alcatel-lucent.com.

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