

# VCON SecureConnect

## *Solutions for secure firewall traversal and encrypted communications*

### **ALG Proxy Server Key Features**

- Supports any standard H.323 device
- Media streams pass directly between conference participants
- Single or dual server configurations available
- Supports all firewalls
- Includes high-availability features
- Supports VCON Interactive Multicast

### **Advanced Encryption Server Key Features**

- User ID and password authentication
- Includes high-availability features
- Supports DES, 3DES and AES encryption standards

The VCON SecureConnect family of products extends the benefits of IP-based communications safely beyond the edges of the managed data network. The SecureConnect family includes the Application Level Gateway (ALG) Proxy Server, the Advanced Encryption Server and the Encryption Client. The ALG Proxy server solves the connectivity problems associated with firewalls and NAT servers without threatening network security. The Advanced Encryption Server, along with the Encryption Client, fully encrypts videoconferences (both point-to-point and multipoint) or other data transmissions across public or private networks.

- Secure communication between devices both outside and inside the firewall
- Solves connectivity issues related to firewalls and NAT servers
- Remote users only have access to pre-determined, application-specific resources
- Supports both appliance and PC-based systems
- Highly scalable and centrally manageable

### **ALG Proxy Server**

This application level gateway (ALG) is a proxy server that specializes in secure firewall/NAT traversal of H.323 traffic (both signaling streams and media streams). It overcomes the connectivity problems that are presented by firewalls and NAT servers. One key benefit of the ALG Proxy architecture is that external devices never connect directly to the private network and internal devices never connect directly to the public network. Scalable from 2 to 100 concurrent calls, the ALG Proxy server can address NAT/Firewall issues on videoconferencing networks of all types. Additionally, if an ALG is configured for encryption, it is able to serve as a gateway between the encrypted side of the network and the non-encrypted side.

### **Advanced Encryption Server**

This server works in conjunction with the VCON Encryption Client and/or the ALG Proxy server in order to fully encrypt videoconferences or other data transmissions across public or private networks. Authentication, signaling streams, and media streams only pass between specifically authorized devices - all fully encrypted where needed. When combined with the ALG Proxy server, communication sessions from appliance devices can also be fully encrypted. The Advanced Encryption Server supports DES, 3DES and AES encryption standards and the method of encryption is centrally configured and controlled by the network administrator.



*The VCON SecureConnect family of firewall traversal and encryption products allows any size organization to have secure, encrypted communications.*

## VCON SecureConnect

### What's included?

#### ALG Proxy Server:

1U Rack-mount server  
SecureConnect documentation  
SecureConnect CD  
1-year software subscription

#### Advanced Encryption Server

1U Rack-mount server  
SecureConnect documentation  
SecureConnect CD  
1-year software subscription

### Specifications

#### ALG Proxy Server

##### Capacity

Up to 100 concurrent calls

##### Traffic proxied through ALG Proxy

Gatekeeper registration  
Call set up messages  
RTP-based media streams (audio & video)  
MXM administrator's console login  
Remote endpoint/device configuration  
VCON Interactive Multicast streams  
H.323 Annex Q (FECC)  
Neighbor Gatekeeper<sup>1</sup>  
Directory Gatekeeper<sup>1</sup>

##### Supported codecs

Audio codecs: any codec transported over RTP  
Video codecs: any codec transported over RTP

##### Configurable QoS

IP Precedence  
DiffServ  
Unique values for audio, video, data streams

##### High availability for ALG Proxy Server

Dual hard drives on RAID controller, configured for mirroring  
Dual memory modules  
Dual NIC cards  
Software watchdog to restart services

#### Advanced Encryption Server

##### Capacity

Concurrent logins - up to 10,000  
Concurrent calls - up to 1,000

##### Encryption standards supported

DES  
3DES  
AES

##### Firewall port:

Port 443 (HTTPS) for login

##### Encryption client

PC Requirements:  
OS: Windows 98, NT, 2000, XP  
200Mhz + processor  
Internet Explorer 5.0 or above  
Authentication method:  
User ID and password identification

##### High availability for Advanced Encryption Server

Dual hard drives on RAID controller, configured for mirroring  
Dual memory modules  
Dual NIC cards  
Software watchdog to restart services

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<sup>1</sup> Between MXM servers or to non-MXM gatekeepers that are not behind an ALG Proxy.