



Advantages of Deploying an MXM-managed Conferencing Network

- Endpoint and resource management and configuration over whole networks from a single console
- Compatible with most online directory services (LDAP)
- Controls usage of gateway and MCU services for all users
- Schedule and moderate sessions with web-based Conference Moderator, plus advanced chair control and data sharing
- Support for Emblaze-VCON endpoints, other-vendor H.323, and SIP endpoints.
- Translates IP addresses, H.323 aliases, E.164 numbers, e-mail addresses and URLs
- Bandwidth allocation to individual users and groups of users
- Telephony services such as Call Forwarding, Pickup, Transfer, Ad-hoc Conferencing
- Secure conferencing through integration with Emblaze-VCON's Frontier and SecureConnect
- Supports up to-750,000 users distributed across 150 networked zones
- Mass upgrading of Emblaze-VCON endpoint software
- Includes vPoint HD client licenses



The Media Xchange Manager[®] (MXM) is the heart of Emblaze-VCON's integrated conferencing and collaboration solutions. The MXM combines a full suite of tools into a single management environment, providing added value for IT administrators and conferencing users. IT administrators handle and supervise initial deployment and ongoing support for their organization's rich media conferencing network. Conferencing users enjoy the video telephony features and rich media applications, which increase the effectiveness and efficiency of their job performances. Deployment of MXMs leads to increased productivity and user satisfaction in organizations with networks of hundreds and even thousands of endpoints dispersed among several locations.

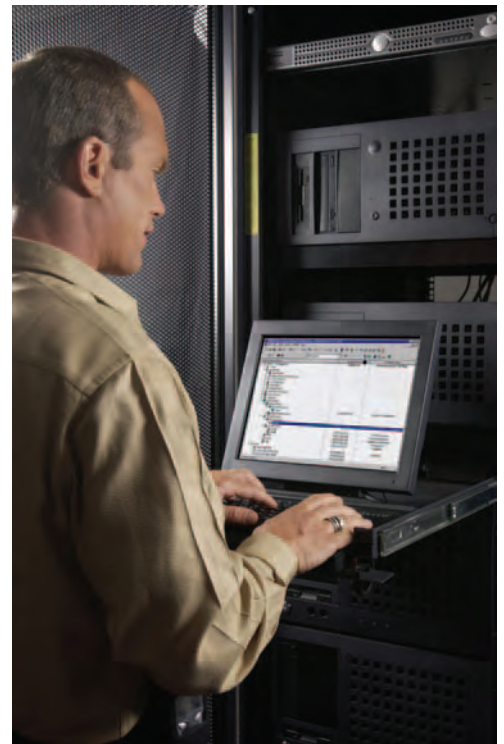
Benefits for IT Administrators

The MXM simplifies implementation of global and focused administration policies, such as bandwidth allocation, gateway dialing, software upgrades, and more. Administrators can apply policy management decisions and even make necessary adjustments to the physical network topology itself, including Emblaze-VCON, other-vendor H.323, and SIP endpoints alike.

Administrators have complete access to the configuration settings and user preferences for every Emblaze-VCON endpoint and resource on the network. They can configure the endpoints' settings according to policy, whether or not the endpoints are actively logged in. It is also easy to set identical parameter values to many endpoints at the same time. Additionally, the embedded web manager of various endpoints are accessible from the MXM Administrator console.

The Remote Software Upgrade utility allows the automated and scheduled upgrade of most Emblaze-VCON's endpoints.

The MXM Administrator program is also a real-time monitoring tool of conferencing activity. An optional comprehensive reporting and billing tool provides detailed records, assisting policy-making and internal auditing.



Investment Protection For Video Networks

As your organization's rich media network grows, the MXM can expand with it, providing management and connectivity for thousands of registered users. Only a change in license key is usually all that's required to increase the MXM's user capacity.

H.323 and SIP devices can co-exist on the same network, allowing SIP-to-H.323 calls and mixed SIP/H.323 multipoint videoconferences.

Optional application modules may be added easily, including multipoint conferencing and streaming (VCB), web-based scheduling (Conference Moderator), firewall/NAT traversal and encryption (Frontier).

Specifications

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Administration Capabilities

Remote call initiation and hangup
Remote endpoint configuration
Open and closed mode registration
Directory Services (LDAP, H.350)
Mobility
Identity and capabilities based on login information
Allows traveling CoS per user
Remote software upgrades
Emblaze-VCON endpoints
vPoint HD, HD600, HD2000, HD3000, HD4000,
HD5000
Emblaze-VCON VCB
Administration Access
Locally installed client
Web-based client (partial config)
3 security levels (super, view, monitor)
Pre-provisioning and configuration templates
Multiple device types
Number manipulation

Management Capabilities

H.323 gatekeeper
RAS
Address translation
Alert Agent (e-mail message)
Supports H.239 (video+data streams)
Supports H.235
Call handling rate of 100 calls/sec
LDAP authentication, authorization and provisioning
Dial plans
Multizone (area code)
Dial by alias, E.164, URL, or e-mail address
Secondary/alternate identifiers
Maximum packet size adjustment
Call Detail Reports (CDR)
Least cost routing of gateway calls
Conversation status monitor
Customizable event log
Timeout and keep-alive override

PBX Capabilities

Ad-hoc conferencing*
Call transfer*
Call pickup (specific & non-specific)
Call forward
No answer, busy, unconditional
Call completion (to PSTN or voice mail via gateway)
Maximum call redirection limits
ACD hunting groups
Forward if no agent available
Routing rules: linear, circular, least recently called,
simultaneous
Simplified gateway dialing
9+ISDN / 9+PSTN dialing
Gateway line hunting

Reporting and Billing

Query tool
Ability to define new reports
Report templates
Dial Plan
Gateway & MCUs
User (Emblaze-VCON and other vendor endpoints)
Multicast
Remote Call Initiation
Ad-hoc Calls
ISDN Calls
System Activity
Call Details (CDR) per user
Call Frequency
Billing with Cost Factors
Gateway downspeeding

QoS and Policy Services

QoS Services
Bandwidth limits
Per user
Within zones
Calls to/from non-registered users
Between zones
Multicast conferences
Concurrent call limits
Per device
Per user
Within zones
Calls to/from non-registered users
Between zones
IP Precedence or DiffServ prioritization
Firewall port range sync (RTF, RTCP, H.245)

Policy Services

Neighbor zone calling rules
Gateway dialing rules
Calls with non-registered users (allow or disallow)
Class-of-Service: feature and resource access per user
E.164 override rules
MCU permission groups
Bandwidth groups
Block registration based on software version

Supported MCUs and Gateways

MCUs

Emblaze-VCON VCB
Radvision MCUs
Polycom Accord MCUs
Tandberg MCU
Codian MCU

Gateways

Radvision gateway
Polycom Accord gateway
Tandberg gateway
Dilithium gateway

Investment Protection

Scalability

Up to 150 zones per network
5,000 users per zone
Centrally administer multiple zones
Neighbor gatekeeper
Peer-to-peer
Hierarchical (parent/child)

SIP Support

SIP-to-SIP calls
H.323-to-SIP calls
H.323 and SIP MCU calls

Number of registered users

Up to 5000 users, according to license key

Applications Managed by the MXM

VCB - multipoint and streaming video
Conference Moderator - scheduling, conference
management, data sharing
Frontier - firewall/NAT traversal

High Availability

Standby failover
Windows cluster support
Software watchdog

**Non-Emblaze-VCON endpoints must support sending DTMF messages in order to initiate this feature.*

