

# XOP Networks™ Group Alert and Conference Server™

## Technical Data Sheet

### Mass Notification

Today organizations realize they have a need for a voice based mass notification system. In the past, such communication has been handled by outsourced service providers. The cost of an outsourced service can be significant – sometimes reaching \$1 or more per individual per year. Organizations find it difficult to justify paying such charges while waiting for an emergency to occur, yet knowing they cannot be without such means.

Add a Group Alert and Conference Server™ from XOP Networks™ and bring this function in-house. By having both group alerting and conferencing capabilities in one system your organization will be able to react swiftly to emergency situations and offer a well orchestrated response. Key decision makers can be brought into an audio conference quickly while the system is simultaneously sending thousands of mass notification messages. Besides voice, the system can send sms, email, page and instant messages and do screen pops.

Inform and coordinate large groups of people with one simple call into the Group Alert and Conferencing Server and let it do the rest of the work for you. Add a reply acknowledgment to your message to confirm receipt of the message or acknowledge the requested action.

Send voice calls over traditional VoTDM networks or the VoIP network or both. This allows on-site calls to be made through the existing PBX network and off-site calls to be sent via the Internet. Use of VoIP allows thousands of voice messages to be sent without having to increase monthly recurring T1 charges.

Use the Group Alert and Conference Server for day to day audio conferencing and messaging needs, while having the peace of mind that you can use it for mass notifications in an emergency situation.



### Key considerations when deploying an in house Group Alert and Conferencing System

Scalable: Deploy between 8 and 480 ports, add more capacity as your needs increase

Reliable: Linux based operating system

Integrable: Integrate with TDM or IP based network

Customizable: Brand your system with your own company name and company colors

Manageable: Web based system administration of network resources

Flexible: Conduct multiple conferences concurrently in any configuration

Expandable: Start with Audio and add web and desktop sharing capabilities

Useable: Simple and easy to use features allow for maximum productivity and usage

Adaptable: Control Audio conferences from web based control panel or via phone

Secure: Tamper-proof, designed for military standards



## Message Types

Voice  
SMS  
Pager  
Email  
Instant Messages  
Screen Pop Alerts

## Message Creation Capabilities

Pre-record Custom Voice Messages  
Record 'On the fly' Voice Messages  
Import .WAV Files  
Use Text to Speech Conversion  
Voice Message Preview

## Message Delivery Triggers

Incoming Phone Call  
Incoming DNIS, ANI or IP address  
Through Web Interface  
Incoming Email

## Delivery Features

Proactively Build Multiple Messaging Sessions  
On-demand Message Delivery  
Scheduled Message Delivery  
'Find-me' Capability  
Insert Caller-ID  
Recurring Call Scheduling  
Message Receipt Acknowledgement  
'Black and White' Lists  
Answering Machine Detection  
Repeat Calls  
Contact Previously Un-reachable

## System Features

Web Based User Interface  
User Interface Customization  
Scalable Number of Ports  
Dynamic Allocation of Ports  
Flexible Database  
Real Time Status Reporting  
Real Time Call Session Management  
Detailed Call Logs  
Automatic Health and Usage Reports  
End of Messaging Summary Report  
Backup and Restore  
Synchronization with External Databases Using LDAP  
High Availability Architecture

# Features / Specifications

## Technical Specifications

### GACS-xxx Port Configurations

The number of ports can be any mix of TDM and VoIP.  
Number of ports: 8 through 480 per chassis.

### Protocols

T1 CAS	E&M (Wink Start, Immediate Start)
T1 ISDN	NI-2, 4ESS, 5ESS, DMS250, INS1500, Q.Sig
E1 CAS	Many country specific MFC-R2 variants
E1 ISDN	NET5, DPNSS, DASS32, QSIG
VoIP	SIP, H.323
DTMF Relay	Inband, RFC2833, SIP Info

### Interfaces

T1 Telephony Interface	DSX-1
Impedance	100 Ohm
Framing	SF (D3/D4), ESF For ISDN
Line Coding	AMI, B8ZS
Connector	RJ-48C on Front Bracket
E1 Telephony Interface	CEPT E1
Impedance	120 Ohm balanced
Framing	CCITT G.704 with CRC4
Line Coding	HDB3
Connector	RJ-48C on Front Bracket
VoIP Interface	100BaseT Ethernet, RJ-45
Encoding formats	G.711, G.729, G.723

### Server Specifications

1U, 2U or 4U standard 19" x 30" rack mountable industrial grade chassis  
SATA RAID 1 Mirrored Disks  
Power: 110-240 VAC, 47-63 Hz, 600 Watts max  
-48 V power supply (optional)  
Redundant power supplies (optional)  
Weight: 20-40 kg

### Operating Requirements

Operating Temperature	+0 deg Celsius to 50 deg Celsius
Storage Temperature	-20 deg Celsius to 70 deg Celsius
Humidity	8% to 80% non-condensing

Hardware Warranty: One year included

Software Maintenance: Basic and advanced packages available

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XOP Networks  
5508 West Plano Parkway  
Suite B  
Plano, Texas 75093  
972.590.0200  
www.xopnetworks.com