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Description

The 1100ACS-32 and 1200ACS-32 are integrated announcement controllers with built-in message server capability. These units contain all the intelligence to manage an entire system of digital mic stations, digital power amplifiers, additional message servers, and other network peripherals. Each unit includes the 1000vACS software with a 32-zone license. Zone capacity can be expanded by purchasing a 64, 128, or unlimited zone license upgrade.

The 1200ACS-32 adds the ability to interface with external systems. It includes eight (8) logic inputs and eight (8) relay outputs to interface with external systems.

Announcement Management Features

- Can handle dynamic requests for live pages, delayed pages, Digital Record and Playback (DRP), pre-recorded messages (simple and assembled), record adhoc messages, mute actions (by zone group) and intercom connections.

- Internal message server capable of recording 8 channels of delayed messages while providing 8 channels of message playback. All occur simultaneously in addition to as many live pages that can be supported by CobraNet on the network.

- Up to 65,535 priority levels.

- Up to 32 zones managed by one unit with options to expand zone capacity through software upgrades.

- Announcements can be initiated by contact closures, from a microphone paging station or by a network command from higher-level management software, as well as from the optional telephone interfaces.

- Messages can be played based on schedules.

- Included capacity for up to two (2) VoIP channels for telephone paging. Each channel functions independently as a basic SIP phone device using G.722 or G.711 protocols.

Device Interface/Management Features

- Up to 240 digital mic stations (528 or 520 series) managed by one 1100ACS-32/1200ACS-32 unit.

- Interfaces with Titan series products such as the T9160 power amp frame, T9032LVIO logic/voltage input/output unit and T9008RY relay unit.

- Interfaces directly with digital displays running IED's VisDID drivers for fully synchronized audio and visual messaging.

- Supervises all associated devices and provides fault status information.

- Can operate with 510ACS products (slaved or peer-to-peer).

- *1200ACS-32* - Includes eight (8) opto isolated logic inputs and eight (8) relay outputs to interface with external systems.

Message Server Features

- Stores up to 250 hours of pre-recorded .wav message files.

- Stores/manages pre-recorded messages in multiple languages.

- Delayed messages limited only by disk space.

- Capable of eight (8) playback and eight (8) recording operations simultaneously.

- Channel capacity can be expanded with the addition of 1100MSG or 1200MSG Message Server units to the system.

Mechanical/Electrical Features

- Low-power processor for high reliability and long life with minimal cooling requirements.

- Storage is on solid state drive for higher performance and reliability than rotating media drives.

- Powered from the included IED1112PSD 12V DC power supply module or the IED1112PS rack mount redundant power supply unit.

- Fits into one (1) RU of 19" rack space.

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Optional Features

- Text-to-Speech messages may be used in place of pre-recorded messages for installed languages.

- Basic configuration can be done by accessing internally-hosted web pages.

- Advanced configuration can be done through the IED Enterprise suite of tools.

1100ACS-32 Rear View

1200ACS-32 Rear View
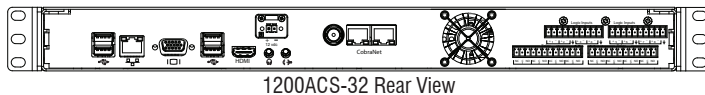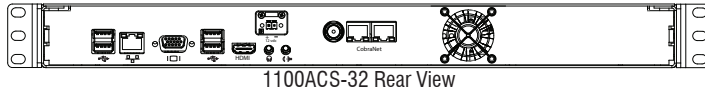
Specifications

Electrical

Supply Voltage..12 VDC
Rated Input Current .... 2 Amps Max (24 W)
Logic Inputs ....Opto Isolated
Relay Contact Rating ....1 A @ 30 VDC Max

Mechanical

Height...1.75", 1 rack unit (4.4 cm)
Width (without rack mount ears) ....17" (43.2 cm)
Depth...12.25" (31.1 cm)
Recommended Mounting Depth ....18" (45.7 cm)
Weight .... 10.85 lb (4.92 kg)

Environmental

Operating Temperature Range .... +32 ˚F – +95 ˚F (0 ˚C – +35 ˚C)
Storage Temperature Range ....-4 ˚F – +158 ˚F (-20 ˚C – +70 ˚C)

Connectors

Power ....2-pin Phoenix, 3.81 mm spacing with locking screws
USB ....4 Rear / 1 Front
Ethernet (3) .... (2) Digital Audio (100 Mbps)
(1) Control (10/100/1000 Mbps)
Video (2)... VGA / HDMI
Audio In/Out (2) (not used)... 1/8" Stereo Jack
1200ACS-32 Only
Logic Inputs (typical of 2) .... 10-pin Phoenix, 3.81 mm spacing
Relay Outputs (typical of 2) .... 12-pin Phoenix, 3.81 mm spacing
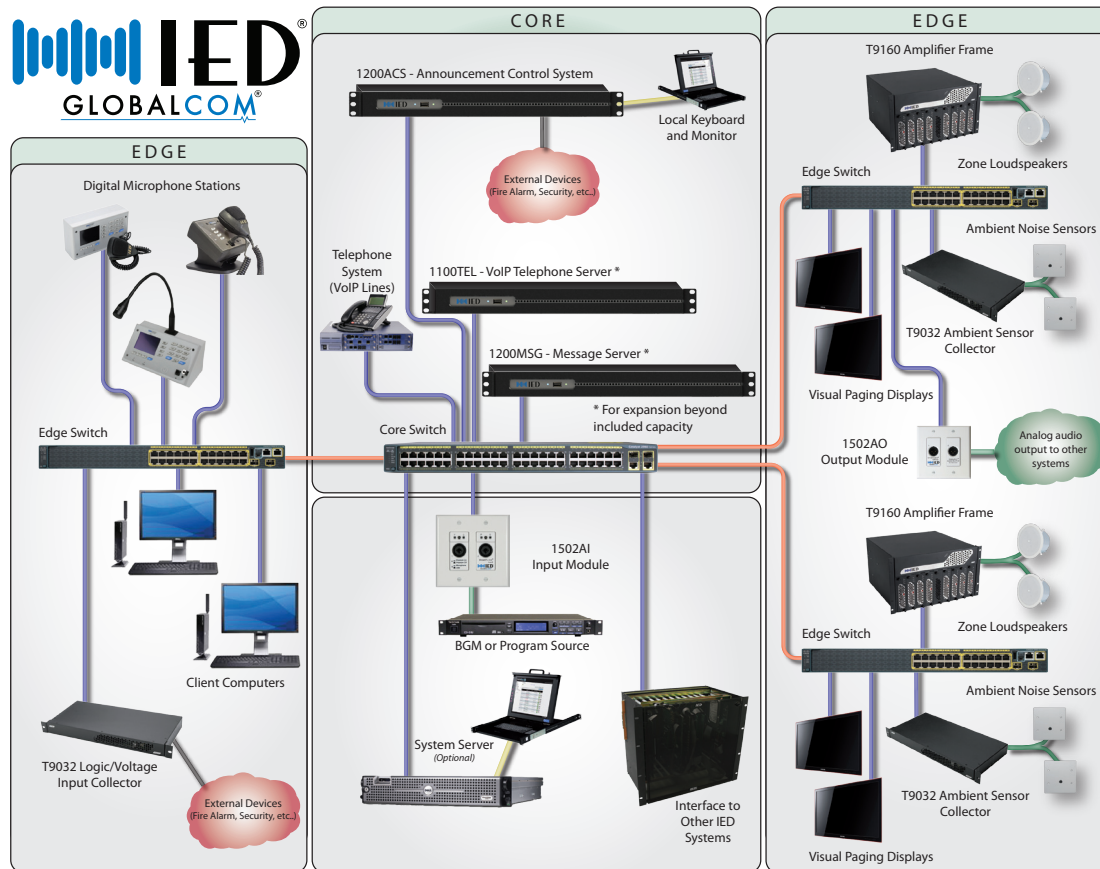
Compliance

Safety

UL60950-1 (Ed.2) Listed

CAN/CSA C22.2 No. 60950-1-07 (Ed.2) Certified

IEC 60950-1: 2005; AM 1:2009

EN 60950-1:2—6/A11:2009/A1:2010

CB Certificate

FCC / EMC

CFR, Title 47, Chapter I, Part 15 Subpart B

ICES-003, Issue 4, 2004

AS/NZS CISPR 22: 2005

CISPR 22 (Ed.5): 2005 +A1 (EN 55022: 2006 +A1)

CISPR 24 (Ed.1): 1997 +A1, A2 (EN 55024:1998 +A1, +A2)

IEC 61000-3-2 (Ed.3): 2005, +A1,A2 (EN 61000-3-2:2006)

IEC 61000-3-3 (Ed.2): 2008 (EN 61000-3-3:1995 +A1, +A2)