Description

The 1200ACS-16 is the entry-level platform in the IED Announcement Control System family of products. Like the other controllers in the family, the 1200ACS-16 is capable of managing an entire system of digital microphone paging stations, digital power amplifiers, and other network peripherals.

Perfect for small venues where price and size are key, the 1200ACS-16 is a powerful yet simple paging and audio-visual communications server/controller that includes many "high-end" features expected only from a larger, more expensive product. This out-of-the-box solution includes specialized Microsoft Windows-based software for easy system configuration, complete system supervision, and control of network audio devices including the UL1711 Fire Safety-rated DNA amplifiers from IED.

The 1RU controller provides a single, easy-to-use solution replacing larger systems which separately provide multi-zone audio paging, ADA-compliant visual paging, and Mass Notification messaging.

Each controller includes a 16-zone license, two VoIP channels for telephone paging, and eight (8) logic inputs and eight (8) relay outputs.

Standard Features

- Paging operations Include: Live, Delayed, Recorded Messages, Muting, Live from External Source, Delayed from External Source.

- Messages can be triggered from a microphone paging station, logic input, or broadcast on a scheduled basis.

- Interfaces to fire alarm and security systems for automated evacuation, shelter-in-place messaging, and other Emergency Communication.

- Background Music Selection, Level Control and Muting available via the built-in IED Mobile Device Interface. (iOS, Android, Windows Mobile and standard HTTP compatible).

- Up to 16 output zones managed by each controller.

- Complete system supervision of all input and output devices.

- All system faults are recorded/reported.

- Includes two (2) VoIP channels for telephone paging. Each channel functions independently using SIP software protocols.
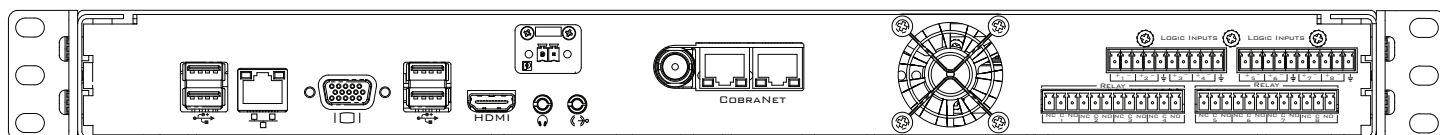
Optional Devices

Input Components:

- 4-Button Microphone Paging Station (IEDA524-H)

- 2-Channel Analog Audio Input Module (IED1502AI)

Output Components:

- 4-Channel Digital Network Power Amplifier (DNA78x4 series)

- 2-Channel Analog Audio Output Module (IED1502AO)

- Single and Dual-Channel PoE Compact Network Power Amplifier Modules (IED1542NA-C and IED1581NA-C)

Mechanical/Electrical Features

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

- Solid state storage for higher performance and reliability than rotating media drives.

- Powered by the IED1112PSD 12V DC power supply module, which is included (optional redundant power supply unit is available).

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

1200ACS-16 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
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)