

LIFE SAFETY COMMUNICATIONS PLATFORM

The CH1000™ is a level above contemporary paging/intercom systems available today.

Dukane® designed a **distributed architecture** life safety communications platform that focuses on providing life safety features and **superior audio intelligibility**.

- **A platform tailored to customer needs.** The CH1000 with market specific software and accessories can be tailored for education, healthcare, corrections, or industrial/commercial applications.
- **Piece-of-mind and support.** Each CH1000 is backed by a 5 year industry-leading warranty and world class customer support.
- **Communicate effectively with superior audio intelligibility.** The CH1000 uses a modern 300-Watt class D amplifier with a built-in Digital Signal Processor (DSP) for superior audio intelligibility. Messages are heard and understood every day and in times of crisis.
- **Simple and cost-effective installation.** The CH1000 is a hybrid platform designed to use standard CAT5(e), CAT3, shielded or unshielded cable. There is no need to replace existing cabling. It's distributed architecture reduces cable and conduit materials by up to 2/3rds of a traditional system resulting in significant savings of both installation and material costs.
- **Always on the cutting-edge.** All new features are backward compatible, providing access to future life safety innovations.
- **Respond quickly and clearly to emergencies.** Add custom WAV files so emergency announcements can be pre-recorded in a calm, clear, and concise manner. Users can trigger these announcements via panic buttons, security sensors, PC software, telephone codes, or cell phones.
- **Easily connect access control and security systems.** Streamline emergency functions to improve critical emergency response time. Trigger lockdowns that not only alert, but automatically lock doors and signal a central monitoring station.
- **Users can call for help in several ways.** Call switches, panic buttons and scream sensors can be used to initiate emergency calls back to a security office or administrative location. Virtual call switches or panic buttons (Vcall™) can be used from a PC when telephones or other call means are out of reach or compromised.
- **Remote support and access is available from anywhere.** Configurations and system diagnostics can be monitored or changed via the Internet with no need to visit the site of installation, saving labor costs and service interruption.



- **A system designed for users.** The user-friendly Assistant™ software puts users in control with a visual tool that simplifies complicated tasks.
- **Stay on schedule.** The user-friendly Calendar™ software allows users to schedule unlimited events now or in the future. Play pre-recorded messages and tones, distribute music, activate cameras, activate relays to lock doors, signal other systems on a schedule, and more.
- **Always on-time.** The integrated Master Clock keeps any facility running effortlessly, on-time and in-sync.
- **Customize the platform to the unique needs of any facility.** Configure 64 page zones, 32 call-in groups, unlimited events, unlimited schedules and choose from 25 built-in tones.
- **Administrators have control when and where they need it.** The platform includes any combination of PBX ports or Administrative Phone (AP1) ports up to a combined maximum of 8.
- **Employ safety accessories and functionality.** Each Security Switching Card (SS16/SS32) port can be used with speakers, call switches, security sensors, and cameras simultaneously. A single CH1000 supports up to 256 audio points and up to 2048 in a network configuration to grow with the needs of an expanding facility without the need for a forklift upgrade.
- **Facility-wide to district-wide communication.** The Security Switching Card(s) (SS16/32) can be located up to 2700ft from the central cabinet using a single CAT5(e) cable.
- **One of the greenest communications systems available today.** In some cases the CH1000 uses hundreds of pounds less material than other contemporary systems. Furthermore, the class D amplifier saves power consumption and is produced with a smaller carbon footprint than the traditional class B amplifier.

Ordering Information

Model	Description
Product Name	
CH1000	Life Safety Communications Platform
Associated Equipment	
AP1	Administrative Phone
SS16	Security Switching Card (16 port)
SS16-2B	Security Switching Card (16 port) - support for 2 button call-in stations and emergency reminder call-in functionality.
SS32	Security Switching Card (32 port)
SS32-2B	Security Switching Card (32 port) - support for 2 button call-in stations and emergency reminder call-in functionality
Standard System Configurations	
Configurations include AP1 power supply, (TC2 cards NOT included)	
CH1000-1I- XA -1PG	Central Controller with Amplifier, 1 Intercom Path, 1-8 AC1, 1 Program Channel
CH1000-2I- XA -1PG	Central Controller with Amplifier, 2 Intercom Path, 1-8 AC1, 1 Program Channel
CH1000-1I- XA -2PG	Central Controller with Amplifier, 1 Intercom Path, 1-8 AC1, 2 Program Channels
CH1000-2I- XA -2PG	Central Controller with Amplifier, 2 Intercom Path, 1-8 AC1, 2 Program Channels

Specifications

The CH1000 is a distributed architecture, multi-channel, microprocessor-controlled life safety communications platform.

Spec Item	Description
Audio/Communication Card (AC1)	Connect up to 8 Audio Communication Cards. 1 for each Administrative Phone.*
Security Switching Card (SS16/32)	Connect up to 8 Security Switching Cards for maximum of 256 ports.
Intercom Module (IA4)	Includes 1 or 2 Intercom Module(s)
Network System(s)	Install up to 8 CH1000 systems in a network configuration (1 Master CH1000 and 7 CH1000C clients)
Mounting	Wall or rack mount (11RU)
Cabinet Dimensions	18 1/2" high x 17" wide x 5 3/8" deep
Power Requirements	Input Power: 115VAC 3.5A Efficiency: 71% Switching Frequency: 45kHz Working Temp: -10C to 60C
Weight	≈ 32lbs