



**CCS-IP**

**HIGH PERFORMANCE IP SPEAKER**



**TERRACOM™**

The CCS-IP is a full SIP, PoE speaker that is designed for high-end audio installations and is enclosed in a sealed metal back-box with a UL Plenum compliant wire connection. The CCS-IP, with its full range and strong bass output is the perfect IP speaker for board rooms, lobbies, classrooms, restaurants, or any installation where quality background music is desired.



The CCS-IP is a one-way or two-way speaker (two-way is designated by “-M” extension when ordered) that is ideal for both paging applications and intercom functionality. In addition to a high sensitivity microphone providing unmatched talk-back quality, the CCS-IP includes a variety of features that convert it from a simple IP speaker into a flexible tool.

As standard features, the CCS-IP includes:

- 3 Programmable Logic Control Inputs
- 1 Programmable Output Relay
- Microphone Input, Full-Duplex Hands Free Communication
- Ability To Receive and Switch Between 8 IGMP Audio Streams
- SIP Protocol For Direct Use With VoIP Systems
- Internal HTML Browser-based Programming For Easy Access and Configuration
- Full DSP For Superior Audio Quality and Performance

The logic control inputs on the CCS-IP speaker can be programmed to initiate intercom calls, activate relay contacts anywhere in the system, initiate system functions such as volume control, source selection, and control other systems via 3rd party commands. The on-board output relay can be controlled by any input in the system, logic command, or 3rd party command from anywhere in the network.

The integral DSP (Digital Signal Processor) delivers full control of the audio environment providing the ability to control the sound floor, maximizing performance and enhancing the audio experience.

The CCS-IP speaker is the most flexible and dynamic PoE high performance speaker on the market and provides features and functionality that is unmatched in the IP speaker market.

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## SPECIFICATIONS

### ELECTRICAL

Power over Ethernet (POE+), IEEE802.3af,
24 VDC power transformer(18~24VDC), minimum power supply: 2A

### AUDIO CHARACTERISTICS

Audio Output		Mic Input (IP-M Models Only)	
Dispersion	130° @1kHz	Phantom power	2 VDC
Frequency response	±5 dB @ 60 Hz ~ 20 kHz	Frequency response	±1 dB @ 50 Hz~20 kHz
SPL @ 1w @ 1m	89dB	Input impedance (unbalanced)	1K ohm
SPL @ full power	104dB	EIN (Equivalent Input Noise)	-90dBu @ 14dBu gain
		THD+N	0.1%(50~20 kHz @ 14 dBu gain)

### CONTROL INPUT

Type	Euro-block
Mode (analog/TTL)	max. 3.3 VDC
TTL logic input (max.)	HIGH active 3.3 VDC, LOW active 1.2 VDC

### CONTACT OUTPUT

Type	Euro-block
Default status	OPEN(N.O.)
Voltage	100 VDC(max.)
Current	0.5A(max.)

### INTERCONNECTION

Female RJ45 socket, CAT-5/CAT-6 cables	
Max. cable length	100M

### AUDIO

Audio Compression	G.711, G.722, Wav, MP3
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### SUPPORTED PROTOCOLS

SIP 2.0(peer and proxy)
IETF SIP(RFC3261)
IETF IGMP version 2(RFC2236)
IETF RTP(RFC1889)

### NETWORKING

10/100 Mbps Base TX Ethernet RJ45
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
Time and date synchronization using NTP

### MECHANICAL & ENVIRONMENTAL

Dimensions (Dia. & Dept.)	10.25" / 7"
Net weight	7.7lbs (3.49 kg)
Baffle Material	High-Impact PVC
Finish	White
Mounting Accessories	CBG06 Tile Bridge

### ORDERING

CCS-IP	IP High Performance Speaker One-Way
CCS-IP-M	IP High Performance Speaker Two-Way



Made in USA