

CIP™ Series

CIP™ 5 - 2-way PoE++ Powered Speaker

CREST
AUDIO®



Description

The CIP 5 pairs a 5.25-inch high-performance woofer with a 0.78-inch dynamic tweeter to deliver clarity across the full frequency range — from the cinematic weight of film soundtracks to the rhythmic punch of hip-hop, the raw energy of hard rock, and the nuance of jazz and modern pop.

Built on Dante® audio networking, the CIP 5 connects via a single RJ45 port with full AES67 compatibility — stable, low-latency digital audio transmission across any compliant network. Power over Ethernet (PoE++) eliminates separate power runs entirely: one cable carries both audio and power, cutting install time and cable clutter.

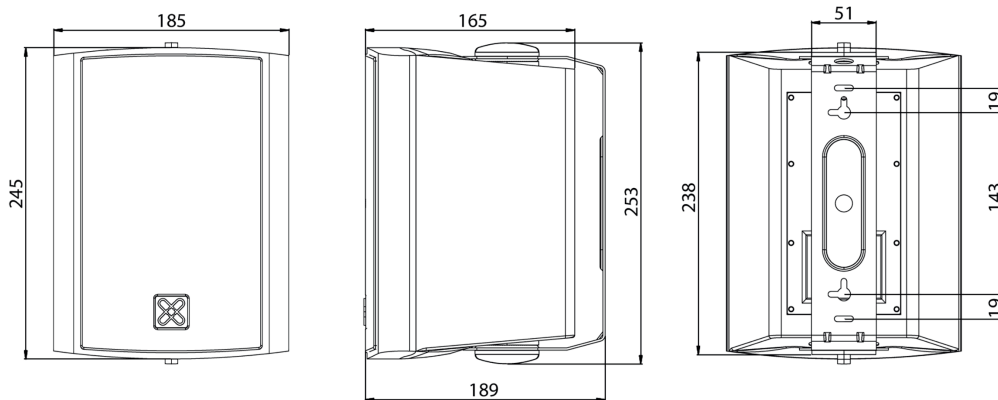
High efficiency. Versatile mounting. One cable. The CIP 5 is purpose-built for professional networked audio environments where performance and installation simplicity both matter.

Features

- Compact two-way PoE++ powered loudspeaker
- Audio over IP: Dante® (AES67 compliant)
- Premium 5.25" woofer, 1" voice coil
- 0.78" Ferrofluid cooled dynamic tweeter, 0.78" voice coil
- Continuous power handling: 30 Watts
- Nominal impedance: 8 Ohms
- Coverage pattern (HxV): 90° x 60°
- Supports Power over Ethernet (PoE++ IEEE 802.3bt Type 3)
- Connectors: 1 x RJ45
- UL94V0 Flame-rated injection-molded plastic enclosure
- U-Bracket included
- Available in Black

Configuration:	2-way PoE++ Powered Speaker	Amplifier:	Class D, bi-amped
Power Continuous (Watts):	30	Internal DSP:	Yes
Power Peak (Watts):	60	Mounting Points for U-Bracket:	2 x M6 (1 x top & 1 x bottom)
Sensitivity (1 W / 1 m):	85 dB	U-Bracket:	Included
Max SPL Peak:	101 dB	Enclosure Design:	Trapezoidal Sealed Enclosure
LF Driver:	1 x 5.25" (133 mm)	Enclosure Material:	UL94V0 Flame-rated Injection-molded Plastic
Woofer Voice Coil:	1" (25 mm)	Black Finish:	Matte Black Spray Paint
HF Driver:	1 x 0.78" (20 mm) Ferrofluid Cooled, PEI Diaphragm	RAL #:	9004
HF Driver Voice Coil:	0.78" (20 mm)	White Finish:	n/a
Nominal Coverage (HxV):	90° x 60°	RAL #:	n/a
Frequency Range (-10 dB):	55 Hz - 20 kHz (wall mounted) / 63 Hz (free space)	Operating Temperature:	-4° F - 140° F (-20° C - 60° C)
Frequency Response (±3 dB):	65 Hz - 20 kHz (wall mounted) / 81 Hz (free space)	Logo Position on Grille:	Bottom Center
Nominal Impedance:	8 Ohms	Logo Size:	25 x 25 mm
Input Connector:	1 x RJ45	Grille Material:	Aluminum, Liquid Coating
Power Source:	PoE++ IEEE 802.3bt Type 3	Grille Foam Backing:	n/a
Audio over IP:	Dante® (AES67 compliant)	Grille Mesh Size (mm):	Φ1.2 x P1.7
IP Mode:	DHCP (Default) or Static	Net Weight:	5.7 lbs (2.6 kg)
External Power Supply:	DC In - 24 V, 2.7 A (optional)	Dimensions w/o U-Bracket (HWD):	9.65" x 7.28" x 6.50" (245 x 185 x 165 mm)
Cat Cable Specification:	Cat6a recommended	Dimensions with U-Bracket (HWD):	9.96" x 7.28" x 7.44" (253 x 185 x 189 mm)

Dimensions



Architect's & Engineer's Specifications

The compact powered PoE++ loudspeaker shall have a frequency response from 65 Hz to 20 kHz (10 dB below rated sensitivity, when wall mounted, with no external equalization). Nominal impedance shall be 8 ohms. The peak SPL with inaudible distortion shall reach 101 dB with music as a source, when measured at a distance of 1 m driven to full output capacity. The system shall consist of a 5.25 inch (133 mm) low frequency high performance transducer with 1 inch (25 mm) voice coil and a 0.78 inch (20 mm) ferrofluid cooled dynamic tweeter with PEI diaphragm and 0.78 inch (20 mm) voice coil. The nominal radiation pattern shall be 90° in horizontal plane and 60° in vertical plane. The powered, bi-amplified PoE++ loudspeaker shall have an RJ45 Ethernet connector on the rear panel. This connector shall accept a Dante or AES67 signal for audio, as well as the PoE++ power voltage per IEEE 802.3bt Type 3. There shall be an external, 5.5 mm by 2.1 mm barrel type, power input jack, which will accept external 24 V DC power supplies, capable of delivering 2.7 A of filtered DC power.

The system power amplifiers shall have an unfiltered frequency response of 20 Hz to 20 kHz which deviates no more than +0, -3 dB up to rated power, hum and noise better than 90 dB below rated power, and THD and IMD less than 1%. The woofer amplifier shall be capable of 20 watts sine wave power output into an 8 ohms nominal load, and the tweeter amplifier shall be capable of 20 watts sine wave power into 8 ohms nominal load, before compression and/or limiting engage.

The input signal shall be electronically divided into high frequencies and low frequencies by a line-level electronic crossover. The low frequencies shall be processed to provide bass boost, subsonic filtering and overall response shaping. High frequencies shall be equalized for response shaping.

The enclosure shall be constructed of injection-molded plastic with a UL94V0 flame rating, and reinforcing ribs internally. An U-Bracket shall be supplied with the speaker system for wall-mount use, held in place with two M6 threaded knobs, one each on top and bottom. An aluminum grille shall be provided for overall driver protection.

The loudspeaker shall be 9.96 inches (253 mm) high by 7.28 inches (185 mm) wide by 7.44 inches (189 mm) deep, weighing 5.7 pounds (2.6 kg) including the U-Bracket. The finish shall be a matte black paint in RAL 9004. Power requirements shall be: PoE++ IEEE 802.3bt Type 3, nominally via a 60 watts rated power injector or powered PoE++ switch (not included) or an external power supply of 24V DC at 2.7 A (not included).

The compact PoE++ powered loudspeaker system shall be the Crest Audio CIP 5 with included U-Bracket.