



## **IPD4-CM62-BGM**

### **Architectural Specifications**

The loudspeaker shall operate on the Dante™ IP platform and shall accept audio signals directly from Dante enabled devices through a PoE switch. In addition to its direct connection to the Dante network, the speaker shall provide audio and power outputs for three non-IP speakers of the same sonic performance and construction. Connection to the Dante network shall be made via category cable with Ethernet connector.

Connections to three auxiliary speakers shall be made via terminal strip on the backcan of the speaker. Two audio channels shall be available to auxiliary speakers. Input power to the speaker shall be shared among all speakers connected at the terminal strip.

Performance specifications of a typical production unit shall be as follows: Usable frequency range shall extend from 50 Hz – 22 kHz (-10 dB). The frequency dividing network shall have a crossover frequency of 4 kHz. The unit shall accept 40 watts PoE in addition to PoE plus and standard PoE, as well as the audio signal from a provided network switch, and shall be configurable via software. Maximum continuous output at 1 meter with a 40 watt input shall be 95.0 dB. When auxiliary speakers are connected, maximum continuous output shall be 95 dB for each speaker in the cluster.

The backcan shall be constructed of galvanized steel with an ABS plastic baffle. The grille shall be constructed of painted steel. Shipped complete with UL-listed ex conduit connector, color coded tile bridge (to match color-coded backcan), grille, and paint shield, the integrated in-ceiling speaker is engineered for high performance and rapid installation in plenum spaces. The unit incorporates three additional attachment points for added security, or where required by code.

Installation for the speaker shall be by two-screw blind-mount constant tension fixed-wing assembly and shall attach to ceiling thicknesses ranging from 0.035 in. (0.9 mm) to 2.5 in. (63.5 mm). The external wiring shall be via RJ45 ethernet port, accepting standard CAT5 or CAT6 ethernet cable.

The maximum backcan dimension shall be no more than 146.1 mm (5.75 in.) in height by 245.6 mm (9.67 in.) in diameter. The maximum visible dimensions shall be no more than 8.6 mm (0.34 in.) in height by 298.5 mm (11.75 in.) in diameter. The unit is factory preset to the 32-watt setting in the 70.7- volt operating mode, with a tap switch located on the front baffle.

The system shall be the SoundTube IPD4-CM62-BGM for Dante™ operation.