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## IP Ceiling Mount Loudspeaker

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The IP ceiling mount loudspeaker shall be of an in-ceiling type design, with a full lightweight metal construction with no visible fixings and a discreet outer bezel of only 5 mm. Installation shall be via pre-mounted springs allowing it to be mounted quickly and easily into ceilings with a thickness of between 5 – 25 mm (0.2" – 0.98").

The IP ceiling mount loudspeaker shall be SIP compatible to broadcast clear and intelligible VoIP messages via a single network cable and shall support various standard network protocols and forums such as ONVIF (Open Network Video Interface Forum) and shall be able to complement VMS (Video Management System) and other audio network integration systems. Twenty multi-cast ports shall be available for group paging.

The IP ceiling mount loudspeaker shall have the facility of storing up to twenty audio files with the code of WAV or MP3 format internally. The device shall have the flexibility of broadcasting these files at predetermined times by setting the start and end time along with the day(s) of the week or repeated when necessary and triggered from a control input, or remote API (HTTP). There shall be two controlled inputs and one controlled output.

The IP ceiling mount loudspeaker shall be capable of being muted by TOA IP-A1PG Paging Gateway as the highest priority operation.

Remote settings of the IP ceiling mount loudspeaker shall be achieved by connection to a Windows® based personal computer and by using the PC's browser, operational settings, functions and system status can be established.

There shall be an internal class-D amplifier capable of producing up to 8 watts of power.

The loudspeaker shall incorporate a single 16 cm (6") full-range cone-type transducer with a smooth frequency response of 60 Hz to 20 kHz measured on axis with a Sound Pressure Level (SPL) of 94dB measured at 1 metre with a power input of 1 watt or 103dB with a power input of 8 watts measured at 1 metre. The power source shall be supplied from a PoE switching hub.

The dimensions shall be  $\phi 230 \times 89$  mm (d) (9.06" x 3.5") weighing 880 g (1.94 lbs).

The finish of the loudspeaker shall be: Baffle: steel plate, white (RAL 9016 equivalent). Grille: Steel net, white (RAL 9016 equivalent). Mounting bracket: steel plate.

Manufacturer: TOA Corporation

Model: IP-A1PC238