

PA & SPEAKERS

SSS-4100 | 52296



Features

4th generation IP PoE smart surface speaker
Powered via IEEE 802.3af PoE
Edge processing for intelligent data transmission
Bi-directional audio transmission with echo cancellation capabilities
Internal microphone for automated speaker output fault detection
Configurable relay contact
Ideal for classrooms, hallways, boardrooms or office environments
Water and vandal resistant

Specifications

Audio Characteristics

Speaker	1 x 4 Ω, 20 W RMS (power rating)
Speaker Amplifier	72Hz - 15.4kHz, 2.5 W
Max. Acoustic Output	92 dB SPL ± 2 dB @ 1 m (3.28 ft), 0 dBFS 1 kHz (non-clipped) sine wave signal*
Acoustic Frequency Response	100 Hz – 13 kHz (±6 dB)*
Sensitivity	90 dB SPL, 1 kHz, 1 W, 1 m
Microphone	Digital MEMS Microphone
Microphone Hole Size	6 holes x 1.6 mm (0.06 in) diameter Equi-spaced on 6 mm (0.24 in) PCD
Digital MEMS Mic Sensitivity	-26 dB ±1 dB @ 94 dB SPL*
Digital MEMS Mic Frequency response (-3dB)	100 Hz - 10 kHz
Audio Codecs	Opus, G.711 A-law, G.711 μ-law, G.722, Jacques PCM
Relay Contact	Changeover type (C, NC, NO) 60 V d.c. max, 2A max, 60 VA max (eg. 30V 2A max)

General

Power Input	IEEE 802.3af Class 0 Power over Ethernet (PoE) (cannot be locally powered) (44 – 57) V d.c. from PSE
Power Consumption	12 W max. (2.9 W standby)
Operating Temperature	(-20 - 70)*C (-4 - 158)*F
Operating Humidity	(10 - 95) % non-condensing
Auxiliary Functions	Automated testing of speaker and microphone (ATSM)
Form Factor	Cylindrical body, 360° pivotable via 'U' bracket
Dimensions (excluding fixings and cable glands)	170 mm x 120 mm (7.0 in x 4.7 in) - Speaker body 115 mm (4.5 in) - Bracket pivot radius
Weight	2.7 kg (5.95 lb)
Material	316 stainless steel
Finish	Powder coated, white
Environment	Suitable for indoor and outdoor applications
Mounting Options	Surface mounted to wall or ceiling

External Connections

Ethernet / Power

Diagnostic Port

Cabling

IP/IK rating**

1 x RJ45 port for Ethernet data (10/100/1000 Mbit/s) and PoE
1 x Micro AB USB port for factory programming and diagnostics purpose only
4 pair UTP CAT-5E/6/6A, Size 23/24 AWG, 100 m (328 ft) max. T568A wiring scheme
IP rating: IP65 (as per AS/NZS/EN 60529)
IK rating: IK10 (as per EN62262)

Compliance**



Optional Accompanying Products

SAP-4000

Speaker alert panel

Notes

* Preliminary release, subject to change
** Pending