

DESCRIPTION

Algo manufactures three IP Ceiling Speakers with identical appearance. Two IP Speakers, the 8188 IP PoE Ceiling Speaker and the 8198 IP PoE+ Ceiling Speaker as well as the 1198 Satellite Ceiling Speaker. The 8188 is a standard PoE IP speaker and is ideal for many applications. The 8198 is designed for PoE+ power and provides added benefits and cost reduction with Algo's Satellite Speaker Technology, up to three 1198's may be connected to each 8198. Below is a summary of the power and audio output of each speaker in a variety of configurations, including how many Satellite speakers are attached.

			Vol 10	Vol 9	Vol 8	Vol 7	Vol 6	Vol 5
8188	PoE	Watts (rms)	8	4	2	1	0.5	0.25
		dBA SPL	97	94	91	88	85	82
		Total	16W					
8198	PoE+	Watts (rms)	16	8	4	2	1	0.5
		dBA SPL	100	97	94	91	88	85
		Total	16W					
8198 + 1 x 1198 <i>(Per Speaker)</i>	PoE+	Watts (rms)	8	4	2	1	0.5	0.25
		dBA SPL	97	94	91	88	85	82
		Total	16W					
8198 + 2 x 1198 <i>(Per Speaker)</i>	PoE+	Watts (rms)	5.3	2.7	1.35	0.68	0.34	0.17
		dBA SPL	95	92	89	86	83	80
		Total	16W					
8198 + 3 x 1198 <i>(Per Speaker)</i>	PoE+	Watts (rms)	4	2	1	0.5	0.25	0.125
		dBA SPL	94	91	88	85	82	79
		Total	16W					

The Algo 8198 may also run on PoE power, providing 8Ws of power for the system. Below is a summary of power and audio output when utilizing PoE power.

			Vol 10	Vol 9	Vol 8	Vol 7	Vol 6	Vol 5
8198	PoE	Watts (rms)	8	4	2	1	0.5	0.25
		dBA SPL	97	94	91	88	85	82
8198 + 1 x 1198 <i>(Per Speaker)</i>	PoE	Watts (rms)	4	2	1	0.5	0.25	0.125
		dBA SPL	94	91	88	85	82	79
		Total	8W					
8198 + 2 x 1198 <i>(Per Speaker)</i>	PoE	Watts (rms)	2.7	1.4	0.7	0.35	0.175	0.088
		dBA SPL	92	89	86	83	80	77
		Total:	8W					
8198 + 3 x 1198 <i>(Per Speaker)</i>	PoE	Watts (rms)	2W	1W	0.5W	0.25W	0.125W	62mW
		dBA SPL	91	88	85	82	79	76