

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 (at 1m)	97	94	91	88	85	82
8198	PoE+	Watts (rms)	16	8	4	2	1	0.5
		dBA SPL (at 1m)	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 (at 1m)	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 (at 1m)	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 (at 1m)	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 (at 1m)	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 (at 1m)	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 (at 1m)	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 (at 1m)	91	88	85	82	79	76