

Grandstream Networks, Inc.

GWN78XX Noise level of internal fans



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Introduction

This guide summarizes the acoustic performance of Grandstream GWN78XX series switches. It includes measured sound pressure levels, fan configurations, and physical fan dimensions to help users understand noise behavior across models. The information assists network planners in selecting the right model for environments where quiet operation and efficient cooling are essential.

GWN78XX Switch Acoustic Noise

Model	Sound Pressure		Cooling FAN	
	Typical Sound Pressure	Maximum Sound Pressure	Fan Quantity	Fan Size
Grandstream GWN7801	N/A	N/A	N/A	N/A
Grandstream GWN7801P	N/A	N/A	N/A	N/A
Grandstream GWN7802	N/A	N/A	N/A	N/A
Grandstream GWN7802P	31.05 dB	37.33 dB	1 pcs	40×40×10 mm
Grandstream GWN7803	N/A	N/A	N/A	N/A
Grandstream GWN7803P	35.89 dB	41.41 dB	2 pcs	40×40×10 mm
Grandstream GWN7806	30.78 dB	39.92 dB	3 pcs	40×40×10 mm
Grandstream GWN7806P	43.2 dB	51.9 dB	3 pcs	40×40×28 mm
Grandstream GWN7811	N/A	N/A	N/A	N/A
Grandstream GWN7811P	N/A	N/A	N/A	N/A
Grandstream GWN7812P	33.85 dB	41.28 dB	2 pcs	40×40×10 mm
Grandstream GWN7813	N/A	N/A	N/A	N/A
Grandstream GWN7813P	34.41 dB	43.93 dB	3 pcs	40×40×10 mm
Grandstream GWN7816P	41.49 dB	64.36 dB	3 pcs	40×40×28 mm
Grandstream GWN7821P	32.60 dB	39.80 dB	N/A	N/A
Grandstream GWN7822P	33.80 dB	39.96 dB	N/A	N/A
Grandstream GWN7831	32.26 dB	38.44 dB	2 pcs	40×40×10 mm
Grandstream GWN7832	32.54 dB	39.73 dB	2 pcs	40×40×10 mm

Test Condition

- The FAN under the high-speed gear.
 - Measured per ISO 7779 and declared per ISO 9296.
 - Bystander positions operating mode at 77°F (25°C) ambient.
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Need Support?

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