

Grandstream Networks, Inc.

GWN Manager -

Server Configuration Requirements for On-Premise Deployment



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GWN Manager provides flexible on-premise solutions for managing your GWN networking devices. Your server configuration should be tailored to the number of devices and clients you need to manage. For larger deployments with more devices and clients, higher performance components such as a powerful CPU, increased memory, and additional storage will be required. Choose a configuration that best matches your deployment scale. Refer to the following table for general guidelines on server specifications:

Small and Medium-Sized Device Management

We recommend this server configuration for managing up to 3,000 GWN devices and 30,000 clients. It is also suitable if you have a slightly higher number of devices, provided the client count remains similar.

• 3,000 GWN Devices • 30,000 Clients				
Application	Count	CPU	Memory	Disk
• WEB + AP Gateway + Router Gateway • DB	1	10 Cores	16G	500G
Reference Configuration: Intel® Xeon Silver 4210 @ 2.2GHz + 16G + 500GB (SSD).				

Small and Medium-Sized Device Management

Large-Sized Device Management

For managing over 3,000 GWN devices and a substantial number of clients, we recommend a large-scale data deployment solution. This solution is optimized for efficient data storage and aggregation, minimizing data loss and enhancing data processing performance. To handle high data I/O and aggregation demands, SSDs are essential for faster read/write speeds, and multiple disks should be configured in RAID1 for redundancy and reliability.

Deployment Size	Application	Count	CPU	Memory	Disk
• 10,000 GWN Devices • 100,000 Clients	WEB + AP Gateway + Router Gateway	2	4 Cores	16G	20G
	DB	1	4 Cores	16G	500G
	Big Data Cluster	3	4 Cores	32G	500G
	Reference: 1 * Intel® Xeon(R) Platinum 8175M CPU @ 2.50GHz + 144G + 2TB (2 * 1TB SSD).				
• 30,000 GWN Devices • 300,000 Clients	WEB + AP Gateway + Router Gateway	3	4 Cores	16G	20G
	DB	1	8 Cores	32G	500G
	Big Data Cluster	7	4 Cores	32G	500G
	Reference: 2 * Intel® Xeon(R) Platinum 8175M CPU @ 2.50GHz + 320G + 4TB (2 * 2TB SSD).				
• 50,000 GWN Devices • 500,000 Clients	WEB + AP Gateway + Router Gateway	4	4 Cores	16G	20G

	DB	1	8 Cores	64G	500G
	Big Data Cluster	9	4 Cores	32G	500G
	Reference: 2 * Intel® Xeon® Platinum 8358 @ 2.60GHz + 416G + 5TB (3 * 2TB SSD).				

Large-Sized Device Management

Ultra-Large Scale Device Management

For managing over 50,000 GWN devices, we recommend a clustered deployment approach. Please reach out to technical support or your Grandstream sales representative. We will tailor a solution to meet your specific needs and assist you with the deployment process.



Need Support?

Can't find the answer you're looking for? Don't worry we're here to help!

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