

iLEDSYS server configuration

The iLEDSys system is self-deployment cloud platform of Onbon technology, is a complete set of user-built cloud platform. For the deployment of iLEDSys system, you can choose a variety of flexible deployment methods.

According to the user's network situation, it can be divided into intranet deployment and extranet deployment. The extranet deployment can be divided into physical server deployment and cloud server deployment. Depending on the number and attributes of the controllers (LED screens) carried by the platform, the corresponding server configuration is recommended according to the above deployment methods.

1. Server configuration

Example 1

200 pcs screen	Single/dual color screen	Full color screen
System	Ubuntu 16.04/ Ubuntu 18.04	Ubuntu 16.04/ Ubuntu 18.04
CPU	8 cores	8 cores
Storage	8GB	8GB
Hard device	System device 200GB	System disk 200GB
	Data device 500GB	Data disk 1TB
Server configuration	Non-cloud or cloud computers	Non-cloud or cloud computers
IP configuration	Non-cloud requires fixed IP	Non-cloud requires fixed IP

Example 2

500 pcs screens	Single&dual color screen	Full color screen
System operation	Ubuntu 16.04/ Ubuntu 18.04	Ubuntu 16.04/ Ubuntu 18.04
CPU	16 cores	16 cores
Storage	16GB	16GB
Hard disk	System disk 200GB	System disk 200GB
	Data disk 1TB	Data disk 2TB
Server configuration	Non-cloud or cloud computers	Non-cloud or cloud computers
IP configuration	Non-cloud requires fixed IP	Non-cloud requires fixed IP

Example 3

1000+ screen configuration	Single&dual color screen	Full color screen
Operation system	Ubuntu 16.04/ Ubuntu 18.04	Ubuntu 16.04/ Ubuntu 18.04
CPU	32 cores	32 cores
Storage	32GB	32GB
Hard device	System disk 200GB	System device 200GB
	Data disk 2TB	Data device TB
Server configuration	Non-cloud or cloud computers	Non-cloud or cloud computers
IP configuration	Non-cloud requires fixed IP	Non-cloud requires fixed IP

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2. Network bandwidth configuration

Screen quantity for iledcloud	Send program data quantity	Bandwidth
Single&dual color screen ≤ 1000 pcs	0.5MB/screen	5Mbps
Full color screen ≤ 200 pcs	10M/screen	5Mbps
Single&dual color screen > 1000 pcs	0.5M/screen	10Mbps
Full color screen ≤ 500 pcs	10M/screen	10Mbps
Full color screen > 500 pcs	10M/screen	20Mbps

(Note: The above table does not take into account the network communication speed of the LED display side, only the bandwidth of the server side is used as the basis for calculation. the above are reference values, according to the transmission rate requirements and program data volume is different, should be configured according to the actual needs.)