**Temperature and humidity monitoring platform**

**——Server requirements**

# Preface

Thank you very much for using of Tzone temperature and humidity monitoring platform.Please read this manual in order to working fluently.If you have questions, please contact us.

Note: Please ask network engineers and other professionals to deal with purchasing server hardware,software maintenance etc.

Catalog

[Preface 1](#_Toc474229792)

[一. Server operating environment requirements 3](#_Toc474229793)

[1. Server hardware configuration requirements 3](#_Toc474229794)

[2. Server software configuration requirements 3](#_Toc474229795)

[二. Hardware requirements under the different scenes 3](#_Toc474229796)

[1. Manage 200pcs equipments 3](#_Toc474229797)

[2. Manage 200-500pcs equipments](#_Toc474229798) 4

[3. Manage 500-1000pcs equipments 4](#_Toc474229799)

[4. Manage 1000pcs euipments and more 4](#_Toc474229800)

## **Server operating environment requirements**

### Server hardware configuration requirements

Recommend Intel Xeon series of servers,more stability.

Minimum requirements:

CPU:2.3GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU

Hard disk:SCSI hard disk,200G

RAM:8G

NIC(Network Interface Card) :5M

Note:Hardware configuration is determined by the number of equipments and data capacity.

### 2. Server software configuration requirements

Operating systems:Windows Server 2008 R2/2012/2016/2019

Microsoft.NETFramework:4.0

IIS : 6.0 and more new versions

Database:MSSQL 2008 R2/2012/2016

## **Hardware requirements under different scenes**

### 200pcs equipment

Should be one server.

CPU:2.0GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU

Hard disk:SCSI hard disk,200G

RAM:8G

NIC(Network Interface Card) :5M

### 200-500pcs equipment

Should be one server.

CPU:2.0GHz and more,L2 cache 4M and more,quad-core CPU

Hard disk:SCSI hard disk,200G

RAM:16G

NIC(Network Interface Card) :5M

### 500-1000pcs equipment

At least two servers, application servers and database servers must be deployed separately; if the site visiting number is large, the site needs to be deployed separately.

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|  | Hardware requirements | Functions |
| Server1 | CPU:2.0GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU  Hard disk:SCSI hard disk,200G  RAM:8G  NIC(Network Interface Card) :5M | 1.Site  2.Gateway service  3.Middleware (cache middleware, billing system, base station service) |
| Server2 | CPU:2.0GHz and more,L2 cache 4M and more,quad-core CPU  Hard disk:SCSI hard disk,200G  RAM:16G  NIC(Network Interface Card) :5M | 1.Database  2.Middleware (message queue service, message (mail, SMS) push service) |

### 1000pcs equipment and more

This system can’t support the distributed architecture currently , because maximum concurrent is about 1000pcs in a single server, for more than 1,000 concurrent need, users can upgrade a single server hardware to meet some of the needs. You also can contact us to solve.