



为您增值!

机架式服务器选型指南

服务器四大金刚

IBM System Z



IBM System I

IBM
AS/400

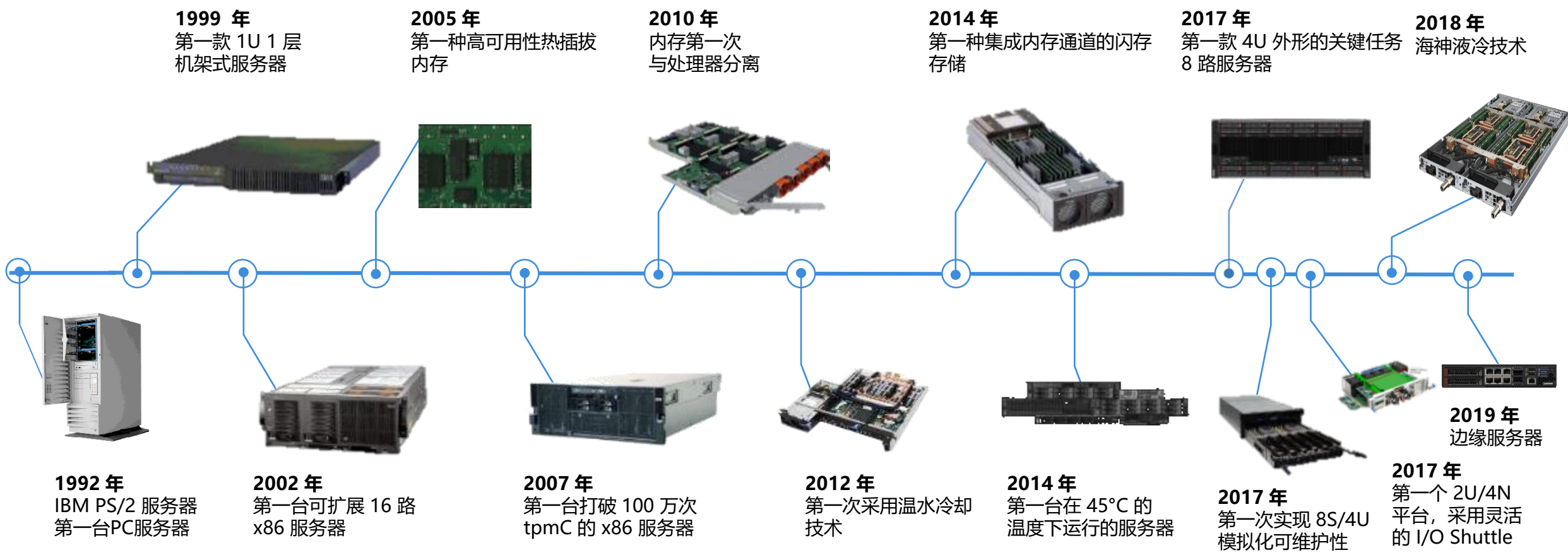


IBM System P



IBM System X

x86服务器发展历史



x86服务器机型概览

- 数据中心
- 商业智能
- 分析
- 云
- 虚拟化
- 零售
- 分布式企业
- 中小型企业

塔式	机架	高密度	刀片	关键任务	人工智能
 ST550 2P	2P 2U 1U SR630 SR650 SR570 SR590 SR530 SR550	2P SD650 SD530	 刀箱 4P SN850 2P SN550	8P SR950 4P SR860 4P SR850	2P SR670 边缘计算 SE350

ThinkSystem 命名规则



- Server
 - ST – Tower
 - SR – Racks
 - SN – Blade
 - SD – Density

- Data Storage
 - DN – NAS
 - DD – DAS
 - DS – SAN
 - DU – Unified
 - DE – Expansion

- Networking
 - NE – Ethernet
 - NI – Infiniband
 - NF – Fibre Channel
 - NL – Converged

Lenovo ThinkSystem SR650 V# Server
Lenovo ThinkSystem DS320 V# Storage
Lenovo ThinkSystem NE1048T -- RackSwitch

Corporate
Brand

EBG Portfolio
Sub-brand

Series/Class

Generation*

Descriptor

SR650产品介绍



SR650

产品定义

- 主流 2 路 2U 机架
- Intel Purley 平台
- 24 个 DIMM DDR4

目标市场

目标工作负载

- 全行业覆盖
- VDI/虚拟化/云/数据库/分析/SAP/机器学习

价值主张

- 最高性能/可靠/易运维

销售范围

- 全球产品
- 144 个国家/地区

SR850产品介绍

密度更高的2U4插槽系统

- 继承了原system x中2+2的设计理念
- 适用于中型数据库，服务器整合或大型虚拟化

为业务增长预留足够容量

- 灵活的2+2 CPU板设计，实现轻松升级
- 在48 DIMMs下满足了6TB内存容量
- 16个2.5" 硬盘, 可扩展至8个NVMe

更注重价值传递

- 更好的平衡价格与技术领先性
- 直连NVMe设计避免PCIe转换卡的瓶颈
- 可选AnyBay背板同时支持多种类型存储设备



SR850



可拆卸的CPU和内存扩展托架

Lenovo

LENOVO PRESS

Lenovo Press

SERVICESSTORAGENETWORKINGSOLUTIONS & SOFTWAREMORE...NEW SEARCH

Purpose-driven single-socket innovation

The new powerful and efficient ThinkSystem SR635 and SR655 featuring next-generation AMD EPYC CPUs.



Recently Published Resources

Resource Type

Select Resource Type

Search Term

Sort By

Relevance

1009 Matching Documents

☐ Include Withdrawn Products (+726 documents)

Clear Filters

1. [Lenovo ThinkSystem SR850 Server \(Xeon SP Gen 2\)](#)
Product Guide, last updated 4 Oct 2019

2. [Lenovo ThinkSystem SR850 Server \(Xeon SP Gen 1\)](#)
Product Guide, last updated 4 Oct 2019

3. [Lenovo ThinkSystem SR860 Server \(Xeon SP Gen 2\)](#)
Product Guide, last updated 4 Oct 2019

4. [Lenovo ThinkSystem SR860 Server \(Xeon SP Gen 1\)](#)
Product Guide, last updated 4 Oct 2019

5. [Lenovo ThinkSystem SR670 Server \(Xeon SP Gen 1\)](#)
Product Guide, last updated 4 Oct 2019

6. [ThinkSystem SR655 Sets Two World Records with New TPCx-IoT Result](#)
Performance Benchmark Result, published 3 Oct 2019

7. [ONTAP Data Management Software](#)
Datasheet, last updated 2 Oct 2019

8. [ThinkAgile HX Solution for SAP HANA](#)
Datasheet, last updated 2 Oct 2019

9. [Lenovo Server Operating System Interoperability Guide](#)
Reference Information, last updated 2 Oct 2019

10. [Lenovo ThinkAgile HX7821 Certified Node for SAP HANA](#)
Product Guide, last updated 4 Oct 2019

In the spotlight

The **Lenovo ThinkSystem SE350** is our new Edge server that is about the quarter of the size of a 1U rack server. It is designed to be installed in remote locations where it can be hung on a wall, stacked on a shelf, or mounted it in a rack.

This rugged Edge server can handle temperatures from 0-55°C as well as tolerance to locations with high-dust and vibration, like on a factory floor. The SE350 includes many security and connectivity options as well.



©2019 Lenovo. All Rights Reserved

Newsletter

Privacy

Legal

lenovo.com/data-center

服务器支持的操作系统

Lenovo

Lenovo Press

SERVERSSTORAGENETWORKINGSOLUTIONS & SOFTWAREMORE...NEW SEARCH

OS Interoperability Guide

The Lenovo Server Operating System Interoperability Guide (OSIG) is a comprehensive source of information about operating system compatibility with Lenovo servers. It includes servers in the ThinkSystem, ThinkAgile, System x, ThinkServer, NeXTScale, Flex System and BladeCenter product families and covers servers that are currently supported by Lenovo under warranty.

Learn about the OSIG web interface: view the [introductory video](#) and [read the article](#).

To begin: Enter a search term or select entries from the pull-down menus.

Last updated: 2 Oct 2019

[Help](#)[Subscribe to Updates](#)[Rate & Provide Feedback](#)[Related Links](#)[Change History](#)

ThinkSystemSR650 (7X05/7X06, SP Gen 2)

Select OS Families

Select OS Versions

Select Form Factors

Select Availability

All

Search OSIG (see Help for examples)

SearchExportReset

26 Matching Records

Server Family	Form Factor	Server	Server Availability	OS Specific Version	Support Statement	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	Hypervisor 8.0	Vendor Certified	
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	Oracle Linux 7.6	Vendor Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	Oracle VM 3.4.6	Vendor Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	RHEL 7.6	Supported & Certified	
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	RHEL 7.7	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	RHEL 8.0	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 12 SP4	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 12 Xen SP4	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 15	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 15 SP1	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 15 Xen	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	SLES 15 Xen SP1	Supported & Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	Ubuntu 16.04 LTS 64-bit	Vendor Certified	Notes
ThinkSystem	Rack 2U 2S	SR650 (7X05/7X06, SP Gen 2)	Available	Ubuntu 18.04 LTS 64-bit	Vendor Certified	

https://lenovopress.com/osig#server_families=thinksystem&support=all

VMware 兼容性查询

VMware Compatibility Guide

搜索兼容性指南: ? (e.g. compatibility or esx or 3.0)

全部列表

搜索

查找的内容: Systems / Servers

兼容性指南

帮助

当前结果 42

产品发行版本:

All
ESXi 6.7 U3
ESXi 6.7 U2
ESXi 6.7 U1
ESXi 6.7
ESXi 6.5 U3

系统类型:

All
Blade
Mother Board
Rack or Tower
Rackmount
Tower

其他条件: (全部折叠)

最小验证内存:

All

最大验证内存:

All

插槽数:

All

增强型 vMotion 兼容性模式:

All
AMD Opteron™ Generation 1
AMD Opteron™ Generation 2
AMD Opteron™ Generation 3
AMD Opteron™ Generation 3 without 3DN
AMD Opteron™ Generation 4

兼容性指令集:

All
AMD Bulldozer Generation
AMD Opteron™ Generation 3
AMD Piledriver Generation
Intel® Haswell Generation
Intel® Ivy-Bridge Generation
Intel® Nehalem Generation
Intel® Penryn Generation
Intel® Sandy-Bridge Generation

每个插槽最大内核数:

All

CPU 系列:

Intel Xeon E7-4800 Series
Intel Xeon E7-8800 Series
Intel Xeon E7-8800/4800-v3 Series
Intel Xeon E7-8800/4800-v4 Series
Intel Xeon E7-8800/4800/2800-v2 Series
Intel Xeon Gold 6100/5100, Silver 4100, B
Intel Xeon Gold 6200/5200 (Cascade-Lake)

发布日期范围:

全部

合作伙伴名称:

Huawei Technologies Co., Ltd.
IBM
INFORMATICA EL CORTE INGLES
Insight Technology, Inc.
Inspur
Intel
Itautec S.A.
J&N Computer Services
Klas Telecom
Kontron
KTNF
Lenovo

功能:

All
Extended Configuration Maximum
Fault Tolerant(FT)
Legacy FT
Persistent Memory
SR-IOV
Trusted Platform Module (TPM)
UEFI Secure Boot
vDGA_Linux
vDGA_Win
VM Direct Path IO
VM DirectPath IO for General Purpose G

关键字:

更新并查看结果

重置

<https://www.vmware.com/resources/compatibility/search.php>

总结

- 选择全球市场发售的机型，选择最主流的2U主流产品机型
- 虚拟化是水平扩展，绝大多数用户选择2U2路机架式产品
- 查询服务器及VMware兼容性网站，确保服务器及相关配件符合兼容性保证

51CTO学院



Thank You !

为梦想增值！

edu.51cto.com