

Smarter technology for all

Lenovo ISG

(Infrastructure solution group)

Lenovo

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olorenc@lenovo.com

30
Years
ThinkSystem

Lenovo AI Building Blocks



Infrastructure

High performance storage & compute DC & edge portfolio that scales with your demand



AI Center of Excellence

Find faster time to value by leveraging the Lenovo AI Innovation Centers



Partner Ecosystem

Leverage certified solution partners to confidently address customer requirements.

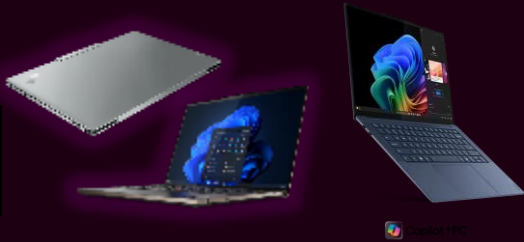


AI Solutions

Pre-validated solutions reduce the complexity with architecting, ordering and getting support for AI solutions – buy a solution, not a bag of parts.

A Complete AI Portfolio

Lenovo
ThinkPad



Lenovo
ThinkBook

Powerful AI PCs that enable AI for all

Lenovo
ThinkStation



Data Science workstations to get you started

Think Quality

80+

AI-ready
platforms

#1

in infrastructure
reliability

#1

supercomputer
provider globally

Top 3

AI Infrastructure
provider globally

Lenovo Neptune™

A leader in sustainable
liquid-cooling



Enable AI at the Edge

Lenovo
ThinkEdge



Train & deploy models faster in your data center

Lenovo
ThinkAgile



New Generative AI Portfolio

Lenovo
ThinkSystem



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Lenovo AI

Delivering cognitive solutions - core to edge, cloud to enterprise.

Lenovo AI Infrastructure

8

Platform
Categories

60+

AI-Ready
Platforms

High performance
storage & compute
DC & edge portfolio
that scales with your
demand

Lenovo AI Discover

Center of Excellence

4

Global
COEs

180+

Countries
served

Find faster time to
value by leveraging
the Lenovo AI
Center of
Excellence.

Lenovo AI Innovators

Partner Ecosystem

50+

AI Solution
Partners

150+

Enterprise AI
Solutions

Leverage certified
solution partners to
confidently address
customer
requirements.

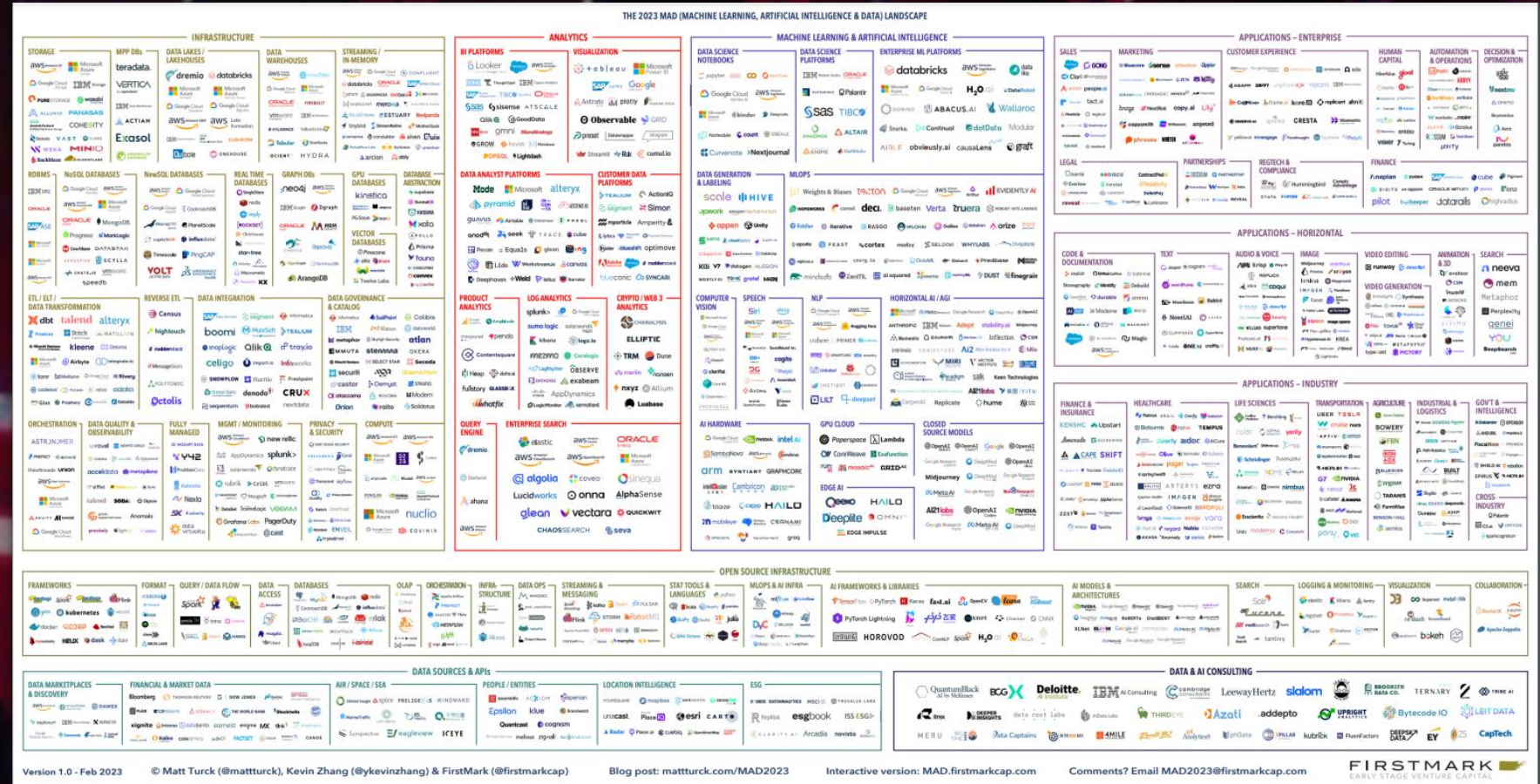
Delivering infrastructure to full stack solutions

Accelerating time to value while reducing complexity with our validated solution designs.

Smarter technology for all

- Top AI Startups
- A who's who you never heard of
- Rapidly changing market
- Buy AI Capability
- 100s of companies to choose from
- >50% of POCs fail getting into production
- Build AI Capability
- Rapidly changing technology
- Deep skills needed

❖ Challenges both Ways



1999

1st 1U Tier 1 Rack Server and 1st Light Path Diagnostics



2005

1st High Availability Hot-swap Memory



2010

1st x86 server to break 1M tpmC



2014

1st Integrated Memory Channel Flash Storage



2017

1st Mission-critical 8-way Server in 4U Form Factor



2017

Flexible I/O



2019

1st ThinkEdge Server



2021

Rugged 2-socket Edge Server



30 Years of Innovation

1992

1st PS/2 Server



2002

1st Scalable 16-socket X86 server



2010

1st to De-couple Memory from Processor



2012

1st Warm Water-cooling Technology



2014

1st 45 °C Operating Servers



2017

Front/Rear Access to all Server Components



2018

Thermal Transfer Module



2021

Lenovo TruScale
As-a-Service Portfolio

2024

Lenovo XClarity One
Innovative Online Management Platform

Lenovo ThinkSystem Server Portfolio

Comprehensive compute capabilities from the edge to the enterprise

ThinkSystem ST series

Powered by Intel®



ST650 V3



ST250 V3



ST50 V3

Powered by AMD



ST45 V3

ThinkSystem SR series

1U

2U

Powered by AMD



SR645 V3



SR635 V3



SR645



SR665 V3



SR655 V3



SR665



SR675 V3

Powered by Intel®



SR630 V4



SR630 V3



SR250 V3



SR650a V4



SR650 V4



SR650 V3



HS350X V3

ThinkSystem Modular

SD series (Multi-Node)

Powered by Intel®



SD550 V3
2S2U



SD530 V3
2S1U

Powered by AMD



SD535 V3
1S1U

ThinkEdge



SE10



SE30



SE50



SE350 V2



SE360 V2



SE450



SE455 V3

ThinkSystem Mission Critical

Powered by Intel®



SR950 V3
8 CPUs



SR860 V3
4U up to 4 CPUs



SR850 V3
2U up to 4 CPUs

HR & MGX Systems

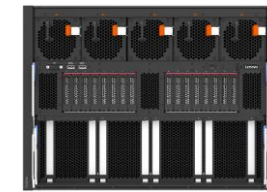
HR650
HR630
HG630N
HG650N
HG660X V3
HR650N



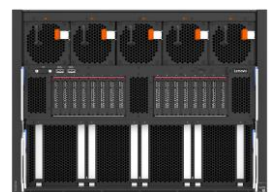
ThinkSystem Segment Optimized

8GPU AI Servers

AMD & Intel®



SR680a V3



SR685a V3



SR780a V3

HPC/AI Optimized

AMD & Intel®



SR670 V2 (GPU Rich),
SR675 V3 (GPU Rich,
Closed loop liquid option)



SD650 V3, SD650-I V3,
SD665 V3,
Liquid Cooled:
SD650-N V3 SD665-N V3
SC777 V4
SC750 V4



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New



Neptune liquid
cooling models
available

LENOVO EDGE SERVERY



SE10



-20°C to +60°C
Intel ATOM
Up to 32 GB RAM



M90n-1



0°C to +50°C
Intel Celeron, i3
Up to 8GB RAM



SE30



-20°C to +60°C
Core™ i3, i5
Up to 16GB RAM



SE50



0°C to +50°C
Core™ i3, i5, i7
Up to 32GB RAM



SE70



-20°C to 60°C
NVIDIA Jetson
Up to 16GB RAM



SE350*



0°C to 55°C
Xeon® D-2100
Up to 256GB RAM



SE350V2



0°C to 55°C
Xeon® D-2700
Up to 256GB RAM



SE360V2



-20°C to 65°C
Xeon® D-2700
Up to 256GB RAM



SE450



-5°C to 55°C
Xeon® SP 3rd Gen
Up to 1TB RAM



SE455 V3



-5°C to 55°C
AMD EPYX 8004
Up to 576GB RAM



SR630, SR645



0°C to 35°C

Gateways

Base Station / DC Closest

Data Center

Diverse Portfolio

From ultra compact gateways to data center grade products.

Highest Performance

CPU & GPU rich systems for ultimate performance.

Flexible Deployment

In harsh environments with ruggedized devices & unique cooling capabilities.

#1 Provider of supercomputers in the world

Lenovo experience

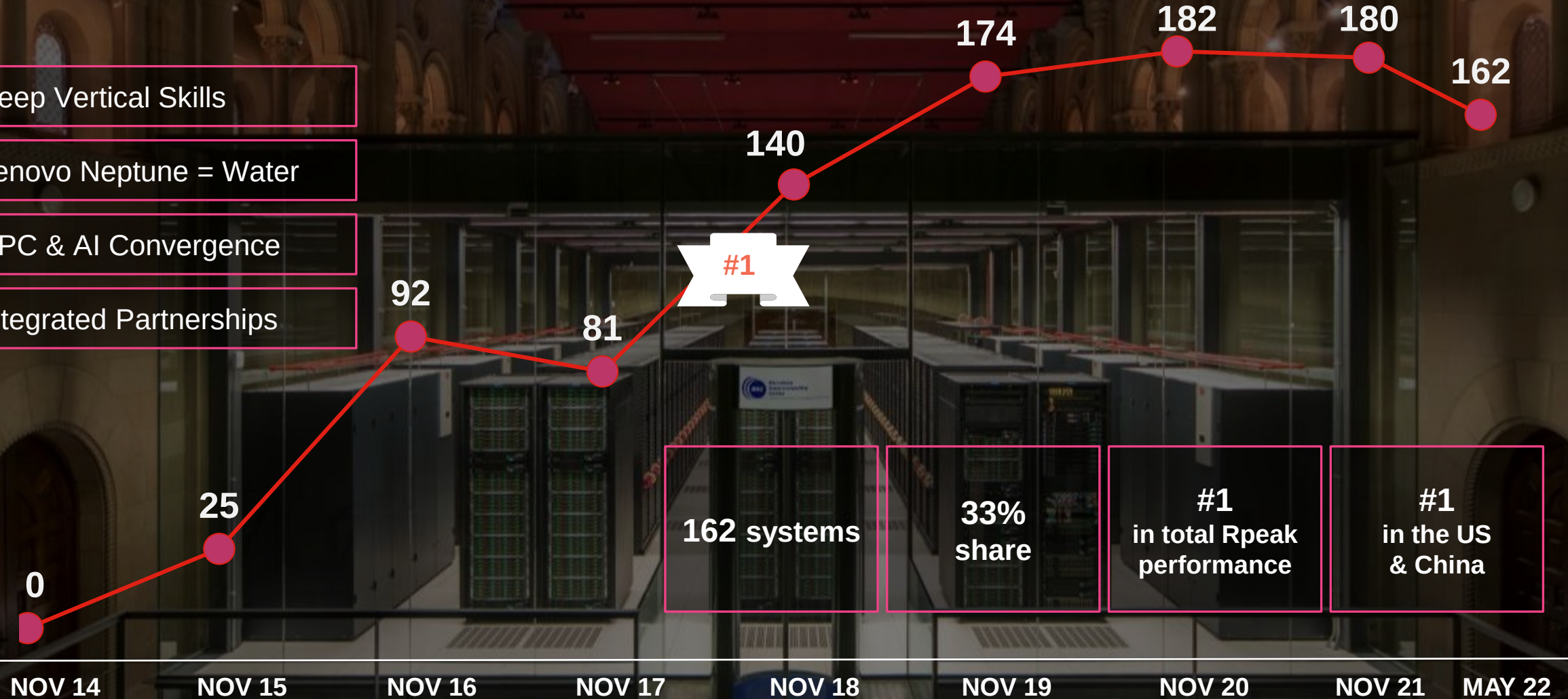
More than 1 in 3 run on Lenovo

Deep Vertical Skills

Lenovo Neptune = Water

HPC & AI Convergence

Integrated Partnerships



Lenovo

Lenovo Advantage: Smarter Energy Efficiency

Addressing Efficiency
Challenge

Energy Management Tooling *Measure, manage, optimize power*

xClarity Energy Manager (LXEM)



Energy Aware Runtime (EAR)

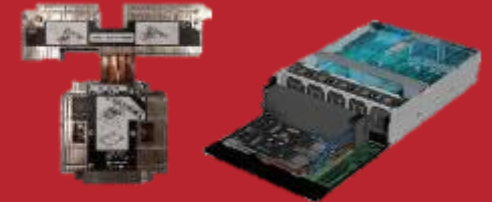


Heat Mitigation Innovation *Lower fan speed, less power*

Liquid to Air Exchanger (L2A)



Thermal Transfer Module (TTM)



Efficient Component Selection *Same work, less power*

Titanium Power Supplies



Idle Power State Controls

Dynamically
optimize the
frequency and
power control

Low Loss Materials

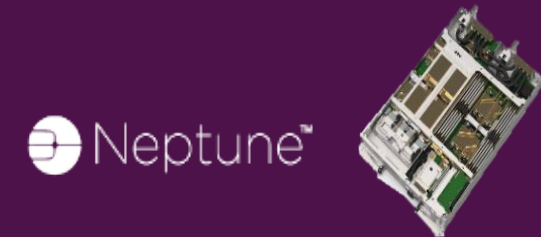


Liquid Cooling *Rethink how cooling gets done*

Rear Door Heat Exchanger



Liquid Cooled Systems



Lenovo Liquid Cooling Technologies

A leader in innovative technology pioneering liquid cooling for the enterprise



Direct Water Cooling

- Warm water cooling inside the server
- Higher performance than air-cooled servers
- Up to 40% reduction in power costs

Smart Control Software

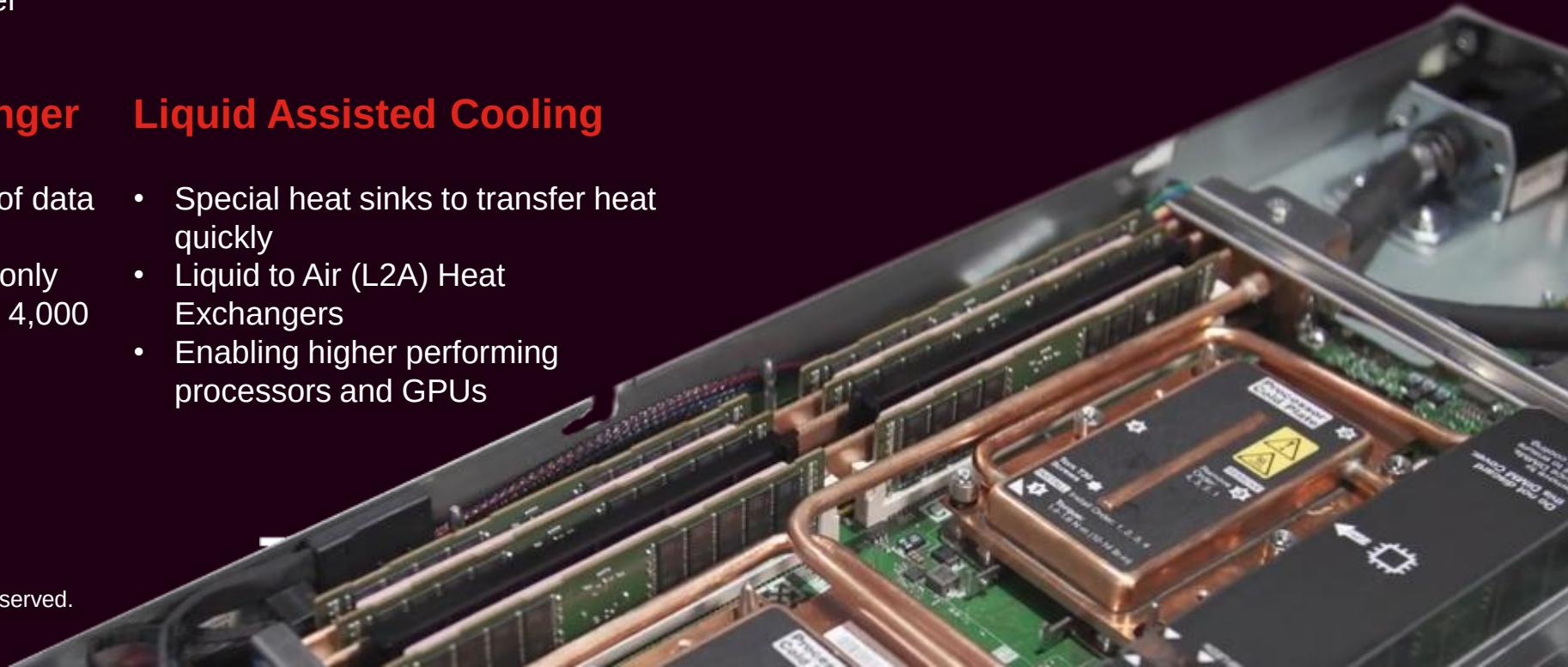
- Minimizes power consumption for each workload using software

Rear Door Heat Exchanger

- Rack option takes heat out of data center in chilled water
- 3.5X more efficient than air only
- Saves enough power to run 4,000 LED bulbs

Liquid Assisted Cooling

- Special heat sinks to transfer heat quickly
- Liquid to Air (L2A) Heat Exchangers
- Enabling higher performing processors and GPUs



Security Without Compromise

ThinkShield

Compliance:

Supports FIPS 140-3*, enhanced NIST SP800-193
Compliance, CNSA Suite 1.0 Quantum-resistant cryptography

Lenovo System Guard:

monitors a server's internal hardware inventory to detect and protect against supply chain attacks or hacking

Trusted platform Module(TPM) 2.0:

hardware-based security which provides user authentication, remote access, and data protection.

Protection:

Hardware-assisted encryption², physical intrusion switches and secure boot

Lenovo Immutable Root of Trust:

provides an embedded, silicon-based chip that ensures that the server can only be booted with trusted firmware.

Secure Development Lifecycle:

drives security into products and services throughout the lifecycle including digital signatures on products, secure development processes and incident response teams.



**Designed
to perform**



**Embedded
hardware
protection**



**Secure supply
chain and
business
processes**

100% USA Audit
Compliance

6 Owned/ controlled
manufacturing sites

1 Secure
Code Vault

#9 High Tech Secure
Supply Chain*



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Lenovo xClarity family

*Nástroj, který Vám pomůže ve správě serverů,
nebo ve správě správců.*

Lenovo xClarity Administrator

Dashboard Hardware Provisioning Monitoring Admin

Hardware Status

Servers	Storage	Switches
 13 10  3  0 	 0 0  0  0 	 0 0  0  0 

Provisioning Status

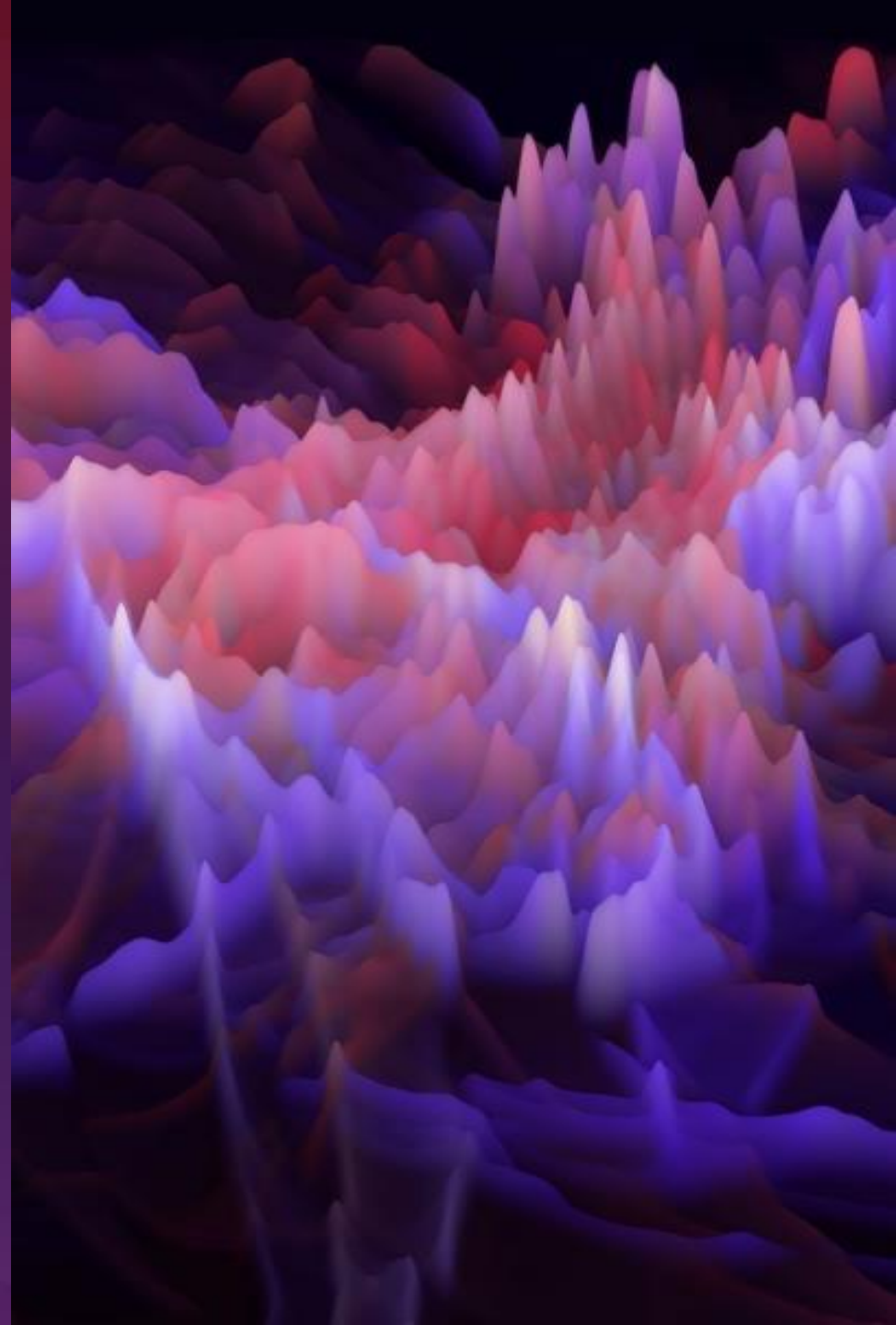
Configuration Patterns	Operating System Images
 0 Servers with Profiles 13 Servers without Profiles 0 Servers Compliant 0 Servers Non-Compliant 0 Server Pattern Deploys in Progress	 4 Available OS Images 0 Image Deploys in Progress

Activity

Jobs	Active Sessions			
 0 Active Jobs	 <table><tr><td>UserID</td></tr><tr><td>USERID</td></tr><tr><td>USERID</td></tr></table>	UserID	USERID	USERID
UserID				
USERID				
USERID				

SOFTWARE

Ke každému serveru dokážeme přibalit OEM software, který je finančně velmi zajímavý a často OEM verze přináší další benefity.





COHESITY



- Významné CENOVÉ ZVÝHODNĚNÍ oproti standard. distributorům (nové lic.+ renewals)
- Ve spojení s deal registrací další záruky/možnosti prodeje
- Není nutno spojovat s HW (stejně identické licence) -> umíme prodat jen SW
- Standardní produkty v konfigurátoru – dalších 4600 položek mimo konfigurátor (2y, 4y, renew)

Lenovo Data Center Solution Configurator

Home / Software

Software

Microsoft VMware Red Hat SUSE XClarity Lenovo Software HPC & AI SDS IBM Data Protection Nutanix Software Other SW Brocade e-key

Veeam Data Platform Premium	>	Veeam Data Platform Premium Subscription	Part Number	Price
Veeam Data Platform Advanced	>	Veeam Data Platform Premium Upgrade Subscription	Part Number	Price
Veeam Data Platform Foundation	>			
Veeam Data Platform Essentials	>	Veeam ONE Migration to Subscription	Part Number	Price
Veeam Office 365				
Veeam Recovery Orchestrator				
Veeam Kasten				
Veeam One				
Cohesity Software				
Commvault Software				

Need Data Protection?

Lenovo's solutions for business continuity help reduce the risk of downtime, businesses can help better protect themselves from security risks, data loss and unforeseen disruptions.

[Learn More](#)

Lenovo

Commvault Hyperscale X N12 on Lenovo SR650 V3

1. Processor Options

(Pick one option in quantity 2)

Option	Option	Lenovo FC	Description	Quantity
4th Gen	1	BQ69	Xeon Silver 4416+ 20C 165W 2.0GHz w/o Fan	2
	2	BQ6L	Xeon Gold 5416S 16C 150W 2.0GHz w/o Fan	2
	3	BQ6H	Xeon Gold 5418N 24C 165W 1.8GHz w/o Fan	2
	4	BQ66	Xeon Gold 5418Y 24C 185W 2.0GHz w/o Fan	2
	5	BQ65	Xeon Gold 5420+ 28C 205W 2.0GHz w/o Fan	2
	6	BQ6C	Xeon Gold 6416H 18C 165W 2.2GHz w/o Fan	2
	7	BQ6B	Xeon Gold 6418H 24C 185W 2.1GHz w/o Fan	2
	8	BPQF	Xeon Gold 6426Y 16C 185W 2.5GHz w/o Fan	2
	9	BPQE	Xeon Gold 6442Y 24C 225W 2.6GHz w/o Fan	2
	10	BPQB	Xeon Gold 6444Y 16C 270W 3.6GHz w/o Fan	2
5th Gen	11	BYW4	Xeon Silver 4510 12C 150W 2.4GHz w/o Fan	2
	12	BYVS	Xeon Silver 4510T 12C 115W 2.0GHz w/o Fan	2
	13	BYVP	Xeon Silver 4514Y 16C 150W 2.0GHz w/o Fan	2

2. Memory Options

Required to configure 512GB minimum memory. 768GB Memory required when 20TBs HDDs are used.

	Lenovo FC	Description	For 512GB	For 768GB (20TB HDDs)
4th Gen	BNW5	32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM	16	24
	BKTN	64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM	8	12
	BNF6	32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM	16	24
	BNF9	64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	8	12
	BKTL	16GB TruDDR5 4800MHz (1Rx8) RDIMM	32	N/A
5th Gen	BKTM	32GB TruDDR5 4800MHz (2Rx8) RDIMM	16	24
	BWHW	32GB TruDDR5 5600MHz (1Rx4) 10x4 RDIMM	16	24
	BWHS	64GB TruDDR5 5600MHz (2Rx4) 10x4 RDIMM	8	12
	BX8Y	48GB TruDDR5 5600MHz (1Rx4) 10x4 RDIMM	12	16
	BWHV	96GB TruDDR5 5600MHz (2Rx4) RDIMM	6	8
	BWJE	16GB TruDDR5 5600MHz (1Rx8) RDIMM	32	N/A
	BWJC	32GB TruDDR5 5600MHz (2Rx8) RDIMM	16	24
	BWSL	24GB TruDDR5 5600MHz (1Rx8) RDIMM	24	32
	BWJD	48GB TruDDR5 5600MHz (2Rx8) RDIMM	12	16

The SR650 V3 only supports quantities of 1, 2, 4, 6, 8, 12, or 16 DIMMs per processor; other quantities not supported. Therefore, some supported configurations will have more than the stated memory quantities. Populate all 8 memory channels per processor for best performance.

3. Raid Controller

(One each in quantity 1)

Lenovo FC	Description	Quantity
440	16i SAS/SATA PCIe Gen4 12Gb	1
Lenovo FC	Description	Quantity
BM8X	M.2 SATA/x4 NVMe 2-Bay Enablement Kit	1



5. E1

(2 adapters one from each block in quantity 1)

Lenovo FC	Description	Quantity
B5ST	Broadcom 57416 10GBASE-T 2-port OCP Ethernet Adapter	1
BCD5	Intel X710-T2L 10GBASE-T 2-port OCP Ethernet Adapter	1
BN2T	Broadcom 57414 10/25GbE SFP28 2-port OCP Ethernet Adapter	1
	Mellanox ConnectX-6 Lx 10/25GbE SFP28 2-Port OCP Ethernet	
Lenovo FC	Description	Quantity
AUKP	Broadcom 57416 10GBASE-T 2-Port PCIe Ethernet Adapter	1
BNWL	Intel X710-T2L 10GBase-T 2-Port PCIe Ethernet Adapter	1
BK1H	Broadcom 57414 10/25GbE SFP28 2-port PCIe Ethernet Adapter	1
BE4U	Mellanox ConnectX-6 Lx 10/25GbE SFP28 2-Port PCIe Ethernet Adapter	1



4. Disks

(Pick 12
(Pick 12

Combination	Lenovo FC	Capacity Disks – Pick one option. identical disks in quantity 12	Mandatory	Memory
Comb. 1	B0YR	3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 2	AUUG	3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 3	B117	3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 4	B496	3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 5	B7EZ	3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 6	BCFP	3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	
Comb. 7	BPKU	3.5" 20TB 7.2K SAS 12Gb Hot Swap 512e HDD	12	

Lenovo FC	NVMe – Pick one option in quantity 2	Mandatory
Pick one comb. plus	BNEH 2.5" U.2 P5620 3.2TB Mixed Use NVMe PCIe 4.0 x4 HS SSD	2
Pick one comb. plus	BNEY 2.5" U.3 7450 MAX 3.2TB Mixed Use NVMe PCIe 4.0 x4 HS SSD	2

Lenovo FC	Boot – Pick one option in quantity 2	Mandatory
Pick one comb. plus	BYF8 M.2 ER3 480GB Read Intensive SATA 6Gb NHS SSD	2
Pick one comb. plus	BQ1Y M.2 5400 PRO 480GB Read Intensive SATA 6Gb NHS SSD	2
Pick one comb. plus	BXMH M.2 PM9A3 960GB Read Intensive NVMe PCIe 4.0 x4 NHS SSD	2

Lenovo FC	Description	Quantity
C0Y6	1100W 230V/115V Platinum Hot-Swap Gen2 Power Supply v3	2
C0Y7	1100W 230V Titanium Hot-Swap Gen2 Power Supply	2
C0Y8	1800W 230V Platinum Hot-Swap Gen2 Power Supply v2	2
C0Y9	1800W 230V Titanium Hot-Swap Gen2 Power Supply	2

(Pick 12TB))
(Pick 12TB))

Follow rules

8. Miscellaneous

(Mandatory all of them)

Description	Description	Quantity
SOLUTION	Lenovo N12 for Commvault Hyperscale X	1
Chassis	ThinkSystem V3 2U 12x3.5" Chassis	1
NVME	ThinkSystem 2.5" U.2 3.2TB Mixed Use NVMe x4 HS SSD	2
HDD BP	ThinkSystem 2U 12x3.5" SAS/SATA Backplane	1
NVMe BP	ThinkSystem 4x2.5" AnyBay Gen5 Backplane	1
M.2	ThinkSystem M.2 Enablement Kit	1
RISER	ThinkSystem V3 2U x16/x8/x8 PCIe Gen4 Riser1 or 2	1
MGMT	XCC Platinum	
	XClarity Pro, Per Managed Endpoint w/3 Yr SW S&S	



6. FC HBA (Optional)

(Pick one option in quantity 1)

Lenovo FC	Description	Quantity
BJ3H	Emulex LPe35002 32Gb 2-port PCIe Fibre Channel Adapter V2	1
BA1F	QLogic QLE2772 32Gb 2-Port PCIe Fibre Channel Adapter	1
BLC1	Emulex LPe36002 64Gb 2-port PCIe Fibre Channel Adapter	1



N4

Certification in progress



N12

DCSC ready



N24

DCSC ready

Commvault Hyperscale X N24 on **Lenovo HS350x**

1. Processor Options

(Pick one option in quantity 1)



	Option	Lenovo FC	Pick one option in quantity 1	Quantity
4th Gen	1	BPQD	Xeon Gold 6448Y 32C 225W 2.1GHz Processor	1
	2	BPPM	Xeon Gold 6454S 32C 270W 2.2GHz Processor	1
	3	BPPQ	Xeon Platinum 8460Y+ 40C 300W 2.0GHz Processor	1
	4	BPPK	Xeon Platinum 8461V 48C 300W 2.2GHz Processor	1
	5	BN0M	Xeon Platinum 8480+ 56C 350W 2.0GHz Processor	1
5th Gen	6	BYWK	Xeon Gold 6530 32C 270W 2.1GHz Processor	1
	7	BYW9	Xeon Gold 6554S 36C 270W 2.2GHz Processor	1
	8	BYWB	Xeon Platinum 8592V 64C 330W 2.0GHz Processor	1

2. Memory Options

(Pick 8 = 512GB for config. with drives up to 18TB)

(Pick 12 = 768GB for config. with drives of 20TB)



	Option	Lenovo FC	Description	Quantity (512GB)	Quantity (768GB)
4th Gen	1	C0Y0	64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	8	12
5th Gen	1	C0Y0	64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	8	12

3. Raid Controller

(Only this one in quantity 1)



Lenovo FC	Description	Quantity
C0YM	Broadcom 9600-24i SAS HBA RAID	1

4. Disk/Capacity Options

(Pick 24 identical. 512GB ram (for config. with drives up to 18TB))

(Pick 24 identical. 768GB ram (for config. With drives of 20TB))



	Lenovo FC	Capacity Disks – Pick one option. identical disks in quantity 24	Quantity	Memory
Combination 1	C0Z1	3.5" 12TB 7.2K SATA 12Gb Hot Swap 512e HDD	24	8 x 64GB
Combination 2	C0YZ	3.5" 16TB 7.2K SATA 12Gb Hot Swap 512e HDD	24	8 x 64GB
Combination 3	C0Z0	3.5" 18TB 7.2K SATA 12Gb Hot Swap 512e HDD	24	8 x 64GB
Combination 4	C0YV	3.5" 20TB 7.2K SATA 12Gb Hot Swap 512e HDD	24	12 x 64GB
	Lenovo FC	Mix-Use NVMe – Pick one disk in quantity 1	Quantity	Mandatory
Comb 1,2,3,4 +	C0YE	2.5" U.2 P5620 6.4TB Mixed Use NVMe PCIe 4.0 x4 HS SSD	1	Yes
	Lenovo FC	NVMe – Pick one disk in quantity 1	Quantity	
Comb 1,2,3,4 +	C0YR	2.5" U.3 7450 PRO 3.84TB Read Intensive NVMe PCIe 4.0 x4 HS SSD	1	Yes
	Lenovo FC	Boot – Pick one option in quantity 1	Quantity	
Comb 1,2,3,4 +	C0YX	M.2 7450 PRO 960GB Read Intensive NVMe PCIe 4.0 x4 HS SSD	1	Pick one
Comb 1,2,3,4 +	C0YS	M.2 PM9A3 960GB Read Intensive NVMe PCIe 4.0 x4 HS SSD	1	Pick one

5. Ethernet Adapter

(Both in quantity 1)

Lenovo FC	Description	Quantity
C0YL	Broadcom 57414 10/25GbE SFP28 2-Port OCP3.0 Ethernet	1
C0YH	Broadcom 57414 10/25GbE SFP28 2-Port PCIe Ethernet	1

6. FC HBA (Optional)

(Pick one option in quantity 1)

Lenovo FC	Description	Quantity
C0YJ	EmulexLPe35002 32Gb 2-Port PCIe Fibre Channel Adapter V2	1



N4
Certification in progress



N12
DCSC ready



N24
DCSC ready

7. Power Supply

(Pick one option in quantity 2)



Lenovo FC	Description	Quantity	Comment
C0Y6	HS350X V3 AsPower 1300W PT PSU	2	
C0Y7	HS350X V3 GW 1300W PT PSU	2	
C0Y8	CRPS GW-CRPS 1300W TT PSU	2	Europe Lot 9 reqmnt
C0Y9	CRPS 1600W PT PSU	2	Not actually needed.

8. Miscellaneous

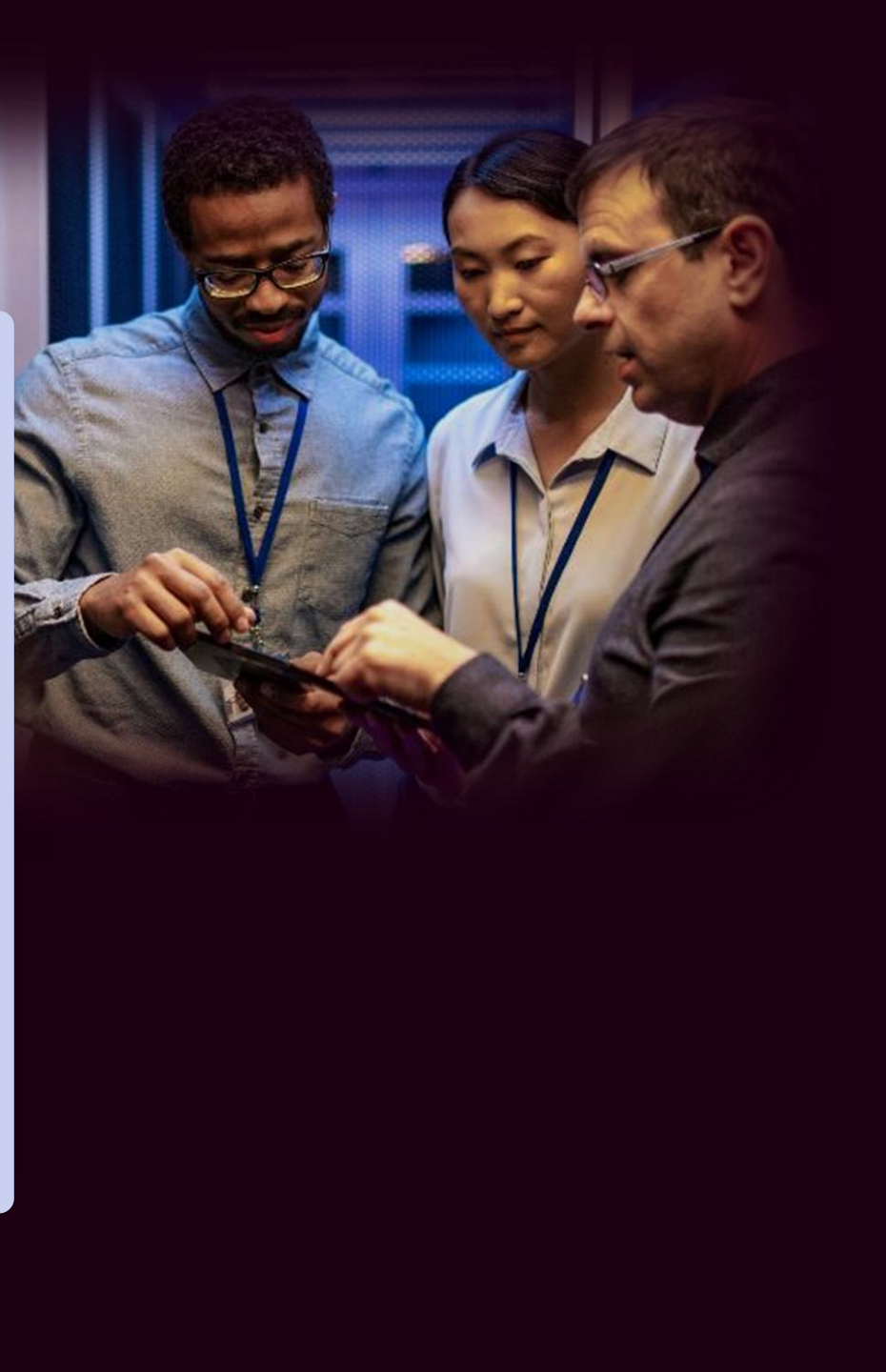
(Mandatory all of them)

HDD BP	HS350X V3 Front 8x 3.5" SATA/SAS BP	1
NVMe BP	HS350X V3 2x 2.5" NVMe Rear BP and Cables	1
RISER	HS350X V3 Riser 1	1
FAN	ThinkSystem HS350X V3 6038 Fan Module MP	6

(Optional)

RISER	HS350X V3 Riser 2 Kit	1
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Lenovo Services



Support Services



Warranty Upgrades/ Extended Warranty

- On-site 9x5x5
- On-site 24x7x365
- **Foundation** NBD response
- **Essential** 4hr response or 24hr CSR
- **Advanced** 2hr response or 6hr CSR



Technical Account Management

- Trusted advisor
- Service planning
- Account reporting



Premier Support

- Remote 24x7x365 support
- Direct technician access
- Single point of contact
- E2E case management
- 3rd party collaborative SW support
- Comprehensive HW + SW troubleshooting
- Response time options for onsite parts and labor



Sustainability

- ARS
- Carbon offset

Lenovo Storage



NAS/SAN/Unified
DM Series



SAN Storage
DE Series



Hyperconverged
HX, VX, MX



Hybrid Cloud
Cloud Volumes FabricPool
Cloud Manager



**Software Defined
Storage**



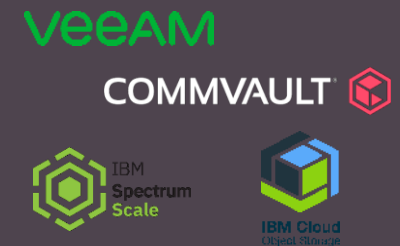
Disk Expansion
D Series



Tape/Archive



Networking
DB Series - FC



**Backup/
Management**

Lenovo ThinkSystem Enterprise Storage Array Portfolio

Efficient, secure solutions to maximize performance and value for AI and data intensive workloads



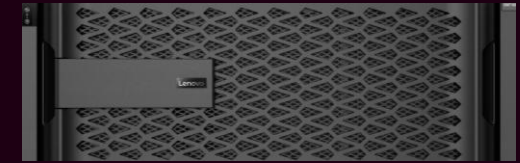
ThinkSystem DE Series

- Simplified data management
- Entry to High performance block
- Flash and Hybrid models
- Easy to configure, manage, and scale.



ThinkSystem DG Series

- Efficient all flash data consolidation
- Unified File/Block/Object
- All Flash at HDD economics
- Secure hybrid cloud management
- Integrated ransomware protection



ThinkSystem DM Series

- Leadership flash performance
- Unified File/Block/Object
- Flash and hybrid models to optimize performance and scale
- Secure hybrid cloud management
- Integrated ransomware protection

Smarter
technology
for all

Lenovo

thanks.

30
Years
ThinkSystem