

EVIDEN

BullSequana SH series

In-memory computing to
deploy your critical & AI
applications with confidence

Next step to hybrid computing solutions



63% of organizations

DON'T PLACE MISSIONS-CRITICALS
WORKLOADS INTO PUBLICS CLOUD



43% of IT decision makers

FEAR THEIR IT INFRASTRUCTURE
WON'T BE ABLE TO HANDLE
FUTURE DATA DEMANDS

BullSequana SH

a state-of-the-art generation of x86 servers based on Intel® Xeon® processors with innovative capabilities to address these new business needs.

BullSequana SH meets the demands of enterprises, cloud providers and hyperscalers in terms of security, scalability, reliability, performance and energy efficiency.



GREATER BUSINESS AGILITY



PROTECTING YOUR MOST VALUABLE ASSETS



EFFICIENT ON-DEMAND SCALABILITY



MAINTENANCE ON YOUR INVESTMENT



LOWER TOTAL COST OF OWNERSHIP (TCO)



HIGH ENERGY EFFICIENCY



SECURITY

Introducing the BullSequana SH

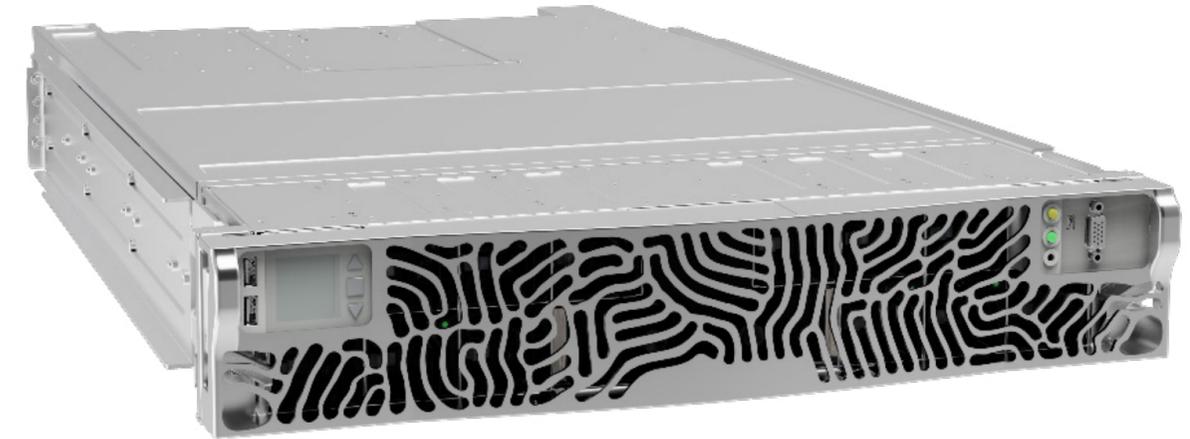
TAILORED FOR YOUR HIGH PERFORMANCE
ON-PREMISES & CLOUD WORKLOADS

- **Faster response** to business demands
- Improved **manageability and serviceability**
- **Helping businesses achieve their sustainability goals** with best-of-breed technologies and services
- **Data protection from the core** to the cloud by creating a chain of trust without compromising performance



Unprecedented features to meet all markets requirements

TAILORED FOR YOUR HIGH PERFORMANCE ON-PREMISES & CLOUD WORKLOADS



- From 2 to 32 sockets in a single server
- Scale in 2-socket increments
- Powered by Intel® Xeon® 6 processors or 4th and 5th Gen Intel® Xeon® Scalable Processors
- Up to 128TB DDR5 DRAM
- Up to 128 PCIe Gen5 hot-swappable slots
- Up to 32 GPUs
- Up to 160 NVMe SSDs
- Hotplug redundant 80+ Titanium PSUs

USE CASES

BullSequana SH offers full benefits for in-memory applications & beyond.

BENEFIT FROM OUR CERTIFICATIONS WITH OUR PARTNERS :



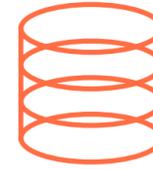
ORACLE

vmware®



SUSE

Microsoft



IN-MEMORY APPLICATIONS & CRITICAL LARGE DATABASES AND ANALYTICS (SAP HANA, ORACLE...)



BARE METAL FOR SPECIFIC WORKLOADS REQUIRING LARGE COMPUTING CAPACITIES



LARGE VIRTUALIZATION POSSIBILITIES



ARTIFICIAL INTELLIGENCE



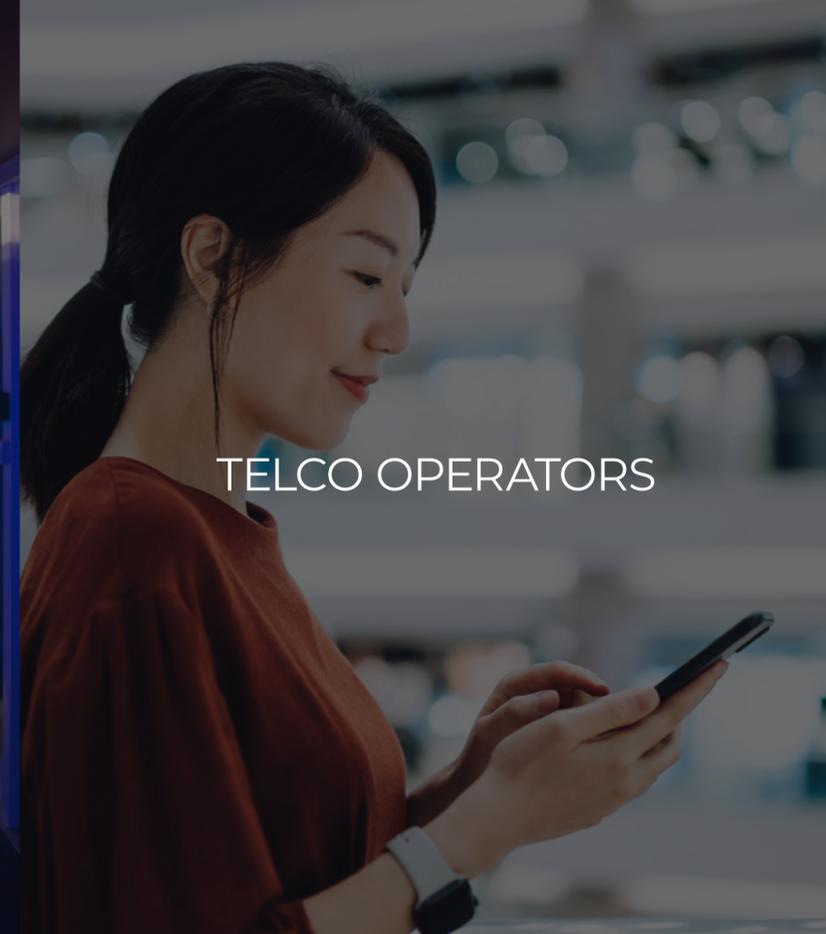
HEALTH



RETAIL



CLOUD PROVIDERS

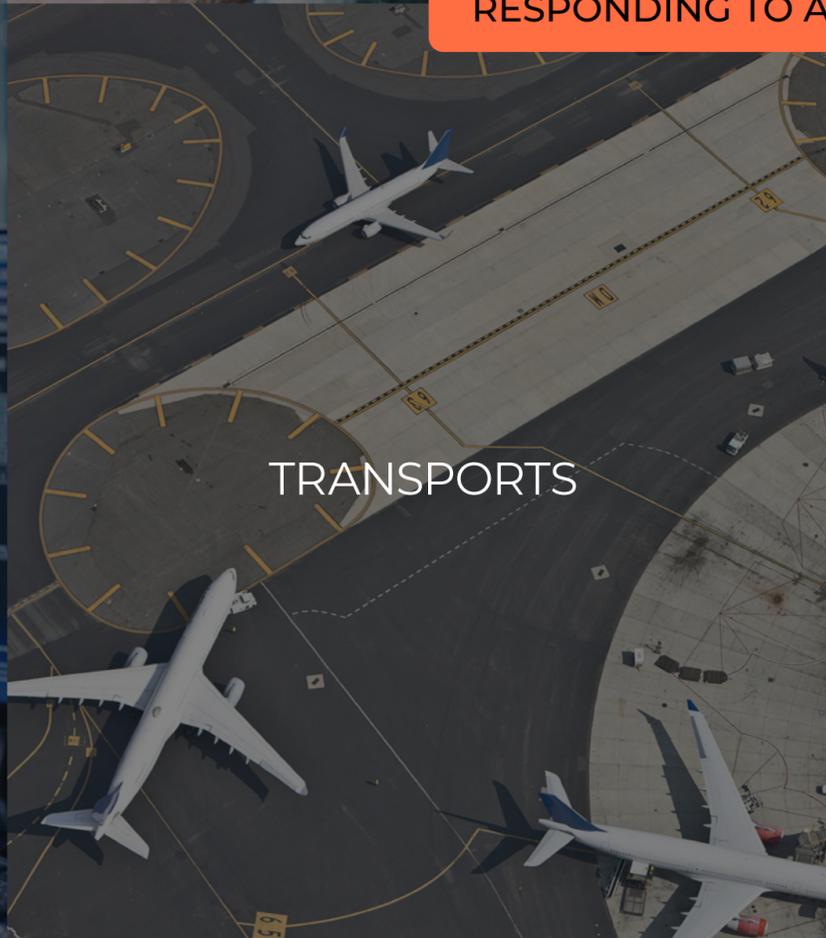


TELCO OPERATORS

RESPONDING TO ALL MARKETS NEEDS



ADMINISTRATION
GOVERNMENTS



TRANSPORTS



FINANCE
COMPANIES



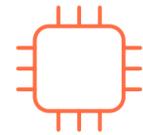
ENERGY



Security-by-design preserving performance

By 2026, 65% of IT organizations

will only purchase infrastructures that incorporate predictive cyber-resiliency mechanisms proven to reduce post-cyber intrusion recovery efforts



Leverage new built-in Intel® Xeon® processors security features

- Hardware Enhanced Security with
- Intel® Trust Domain Extensions (Intel® TDX)
- Intel® Software Guard Extensions (Intel® SGX)
- Cryptographic Memory Integrity option



Eviden Product Security Incident Response Team (PSIRT)

From vulnerability to patch

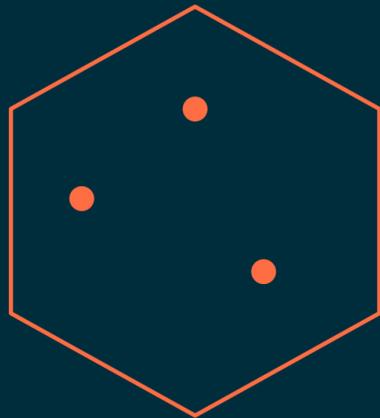


Eviden Trusted Execution Architecture hosting improved Security Functions

- NIST 800-193 Recoverable platform using ARM TrustZone technology
- Chains-of-trust for detection, upgrade, recovery
- Hardware Root-of-Trust with public cryptographic keys anchored in silicon
- Hardened μ OS developed from EAL7 certified ProvenCore software



Better help to achieve your sustainability goals



Eviden factory, Angers, France
R&D, Les Clayes & Grenoble, France



USE OF ENERGY EFFICIENT COMPONENTS

DDR5 achieves 30% greater power efficiency vs DDR4.
80 PLUS Titanium Power Supply Units with up to 96% efficiency
Built-in accelerators avoiding to add power hungry resources (CPU, memory, ...)
Direct Liquid Cooling (DLC) option



NO OVER-PROVISIONING OF RESOURCES FOR FUTURE DEMAND

Efficient scalability by 2 CPU increments for all types of workloads



INTELLIGENT POWER MANAGEMENT FEATURES AT THE SYSTEM LEVEL

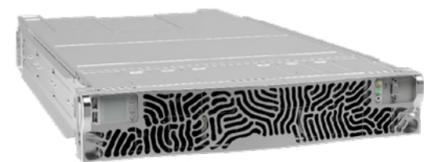
Power capping, Eco-mode, ...
Intel® Optimized Power mode support



COMPLIANT WITH ENVIRONMENTAL REGULATIONS

Ecodesign (ErP Lot9), RoHS, REACH, WEE....

BullSequana SH scalability & use cases



SH20
SH21

2 SOCKETS
2U



SH40
SH41

4 SOCKETS
4U



SH80
SH81

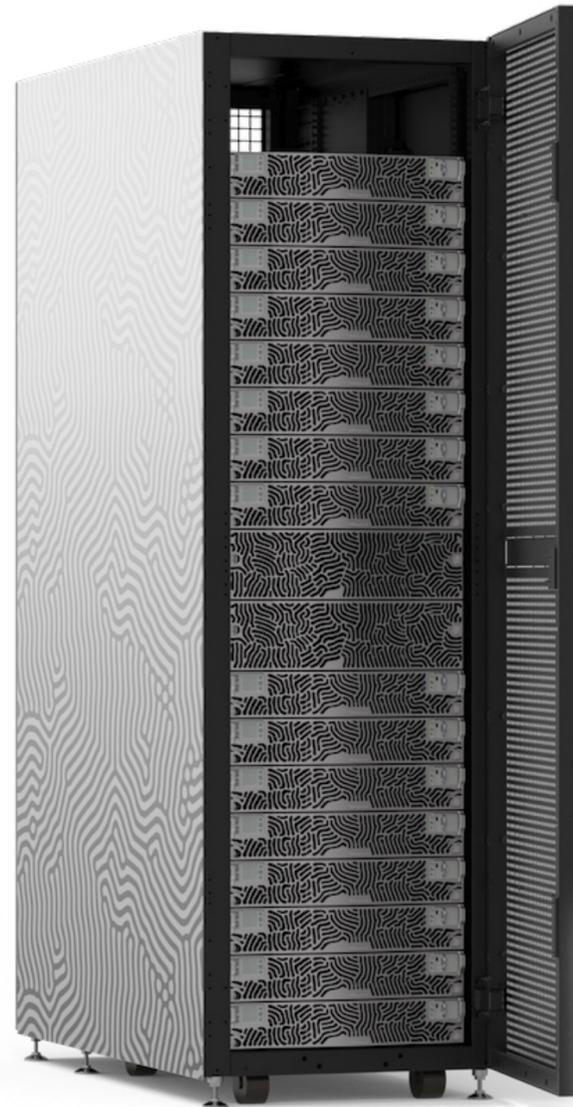
6-8 SOCKETS
8U

SH20/SH21 , SH40/SH41 & SH80/SH81 can be upgraded by 2 CPUs up to SH160/SH161



SH160
SH161

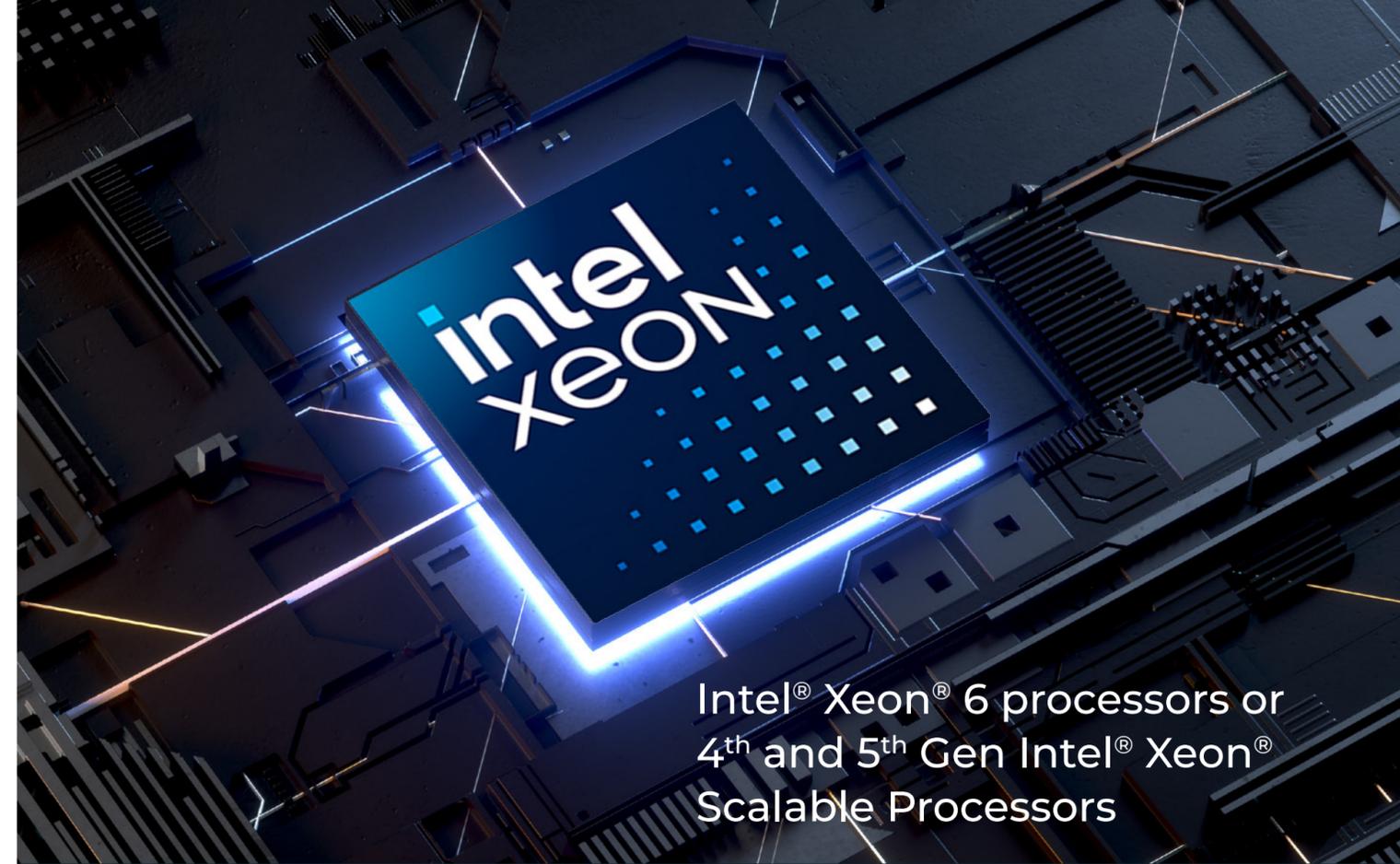
10-16 SOCKETS
19U



SH320
SH321

20-32 SOCKETS
38U

SH160/SH161 can be upgraded by 4 CPUs up to SH320/SH321



Intel® Xeon® 6 processors or
4th and 5th Gen Intel® Xeon®
Scalable Processors

- Mission-critical applications
- Performance optimized
- Outstanding scalability
- Investment protection
- Optimized TCO through consolidation
- SAP HANA, Databases, In-Memory applications
- Advanced virtualization, large VMs , Bare metal
- Data Analytics, AI
- Private and Hybrid clouds

With our BullSequana SH, benefit from exclusive services from Eviden?

- DESIGN YOUR READY-TO-USE INFRASTRUCTURE
- BENEFIT FROM A TAILORED INDUSTRIALIZATION PROCESS
- FLEX AND SCALE WITH OPEX OR CAPEX
- UNIQUE SERVER MANUFACTURER IN EUROPE

Gain flexibility

Design as you need

Add on process

Go faster

Fastest supply

On site plug & play

Reduce risks

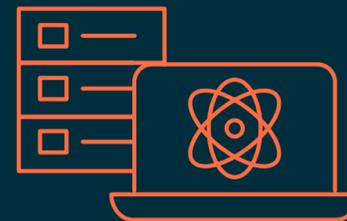
No unexpected costs

Highest quality and repeatable process

#1

Eviden,
recognized industrial leader

- #1 “managed services & security” in Europe and #3 worldwide
- Recognized expert lab in computer vision & AI solutions
- Global leader in Cybersecurity and data sovereignty



Eviden is also a leader for hardware & software products

Leader in Edge Computing technology

Recognized manufacturer of enterprise high-end servers

Pioneer on the quantum computer

55 supercomputers listed in the TOP500 ranking and 2 systems dominating the Green500



EVIDEN