

Building Next-Gen Solutions on Intel® Xeon®

UNICOM Engineering, Inc.
A Division of UNICOM Global

Transitioning Application Platforms to Intel Xeon Scalable Processor-Based Servers



PERFORMANCE



SECURITY



AGILITY



EFFICIENCY

Gain a Competitive Advantage in a Time of Digital Transformation

The Intel Xeon Scalable Processors were designed to tackle today's toughest challenges created by the explosive growth of concepts like IoT, AI and analytics with more compute and I/O throughput, while holding the potential to create significant product differentiation. UNICOM Engineering will help early adopters gain a competitive advantage by building on server platforms that leverage the architecture's unmatched performance, connectivity and networking options.



Intel Xeon Scalable Processors at a Glance

Delivering everything your solution needs to embrace new data-fueled opportunities.

INCREASED PERFORMANCE FOR A WIDE RANGE OF WORKLOADS

- ✓ 1.5X memory bandwidth of previous architectures with 6 memory channels and faster available DDR4 speeds

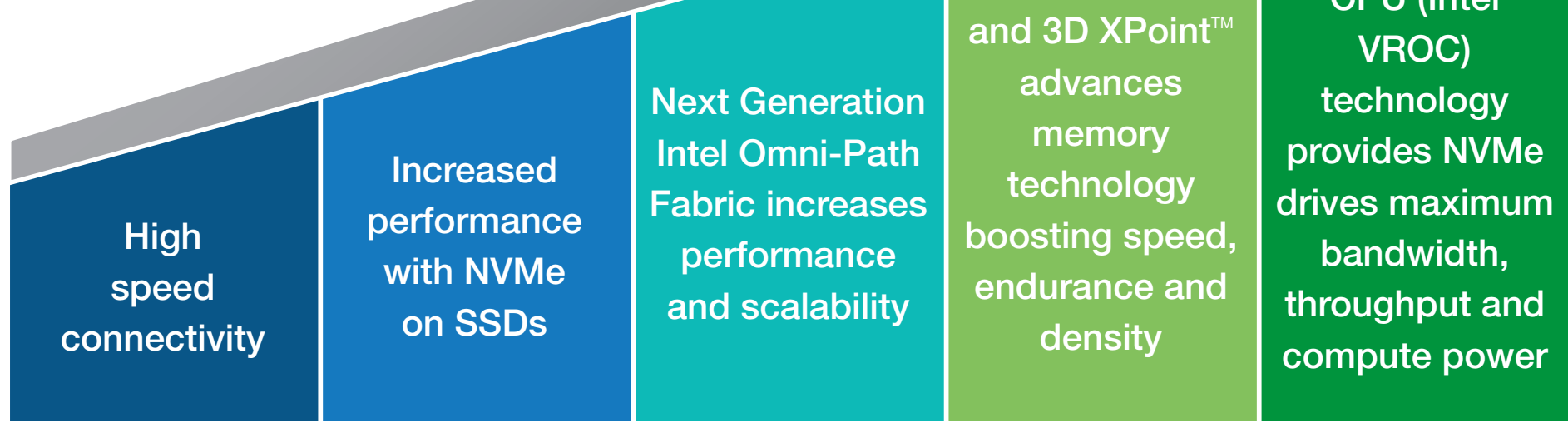
ALL NEW MEMORY ARCHITECTURE

- ✓ Up to 1.5TB of DDR4 and up to 6TB of non-volatile Intel 3D XPoint® memory capacity in a 2 socket system

OPTIONAL INTEGRATED NETWORK AND BUILT-IN ACCELERATORS

- ✓ Up to four 10GbE Intel Ethernet ports
- ✓ Integrated Intel QuickAssist Technology (QAT)
- ✓ Acceleration speeds up to 100Gb/s

The Biggest Microarchitecture Update from Intel in a Decade



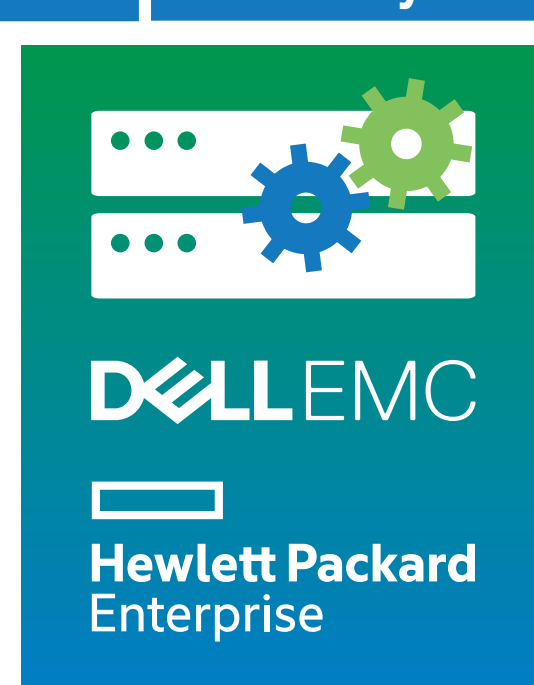
Intel Xeon Processor Scalable Family

Up to **3.9X** higher virtualized throughput and more VMs/server

Intel Xeon Platinum	Intel Xeon Gold	Intel Xeon Silver	Intel Xeon Bronze
UP TO 28 CORES	UP TO 22 CORES	UP TO 12 CORES	UP TO 8 CORES
UP TO 2, 4 & 8 SOCKET SUPPORT WITH UP TO 3 UPI LINKS	2 & 4 SOCKET SUPPORT	2 SOCKET SUPPORT	2 SOCKET SUPPORT
DDR4 2666 MHz	UP TO 3 UPI LINKS	DDR4 2400 MHz	48 PCIe 3.0 LANES
WITH UP TO 1.5TB TOPLINE MEMORY CHANNEL BANDWIDTH	ADVANCED RELIABILITY, AVAILABILITY AND SERVICEABILITY	INTEL TURBO BOOST AND HYPER-THREADING TECHNOLOGY	STANDARD RELIABILITY, AVAILABILITY AND SERVICEABILITY
HIGHEST ACCELERATOR THROUGHPUT			
Mainstream	Mainstream	Efficient	Entry

UNICOM Engineering's Intel Xeon Scalable Processor-Based Servers

The Intel Xeon Scalable processors built into the UNICOM Engineering E-Series platforms, provide building blocks that align well with the needs of hybrid cloud and networking infrastructure, as well as video servers, storage solutions, network and physical security appliances. We can also build on Intel Xeon Scalable-based platforms from Dell EMC and HPE to create best-fit solutions.



- SOLUTION DESIGN
- SYSTEM INTEGRATION
- LOGISTICS & COMPLIANCE
- GLOBAL SUPPORT
- BUSINESS ANALYTICS

UNICOM Engineering and Intel: Driving Seamless Platform Transitions

The time is now for massive transition. Our team is prepared and ready to assist. We have tested and validated platforms available for evaluation. And, our comprehensive service offerings will cover all of the following to ensure a complete solution.

- ✓ Test parameters
- ✓ Branding requirements
- ✓ Software image development
- ✓ Regulatory compliance
- ✓ Global manufacturing Capabilities
- ✓ Quality checkpoints
- ✓ Trade compliance documentation
- ✓ Support and maintenance coverage
- ✓ Forward Stocking Locations
- ✓ Lifecycle management Programs

Our 8 Step Process for Predictable, Repeatable Solutions

- 1. ENGAGEMENT**
The process for the scope of your product begins.
- 2. EVALUATION + INITIAL DEVELOPMENT**
Project requirements are determined.
- 3. FEEDBACK + DEFINITION**
Test, review and provide feedback on your eval unit.
- 4. VALIDATION**
Ensure all components of product are ready to move forward.
- 5. FIRST ARTICLE ACCEPTANCE**
Deliver initial production unit for final approval and feedback.
- 6. PRODUCTION RELEASE**
Final check that program is ready for GA release and launch.
- 7. GENERAL AVAILABILITY**
Production units are being built and shipped to end customers.
- 8. END OF LIFE**
Determination of replacement options for products being retired.

About UNICOM Engineering

UNICOM Engineering is a leading provider of server-based application platforms and lifecycle support services for software developers and OEMs worldwide. Through its expertise and comprehensive suite of design engineering, system integration, global logistics, trade compliance, support and business analytics services, UNICOM Engineering is redefining application deployment solutions to provide customers with a sustainable competitive advantage. More than a decade of appliance innovation and strong technology partnerships make UNICOM Engineering one of the most trusted deployment partners in the industry.

Founded in 1997, UNICOM Engineering is headquartered in Canton, MA with facilities in Plano, TX; Chantilly, VA; and Galway, Ireland.

Contact Us

To learn more and see how UNICOM Engineering can streamline your transition to Intel Xeon Scalable Processor-Based solutions, visit us at unicomengineering.com or contact us by telephone at +1 (800) 977-1010.