



As a Platinum level member of the Intel® Technology Provider Program, AMAX delivers the most advanced, most energy-efficient performance solutions for data-intensive business applications based on the latest generation of **Intel® Xeon® Processor Scalable Family**.

Key features on AMAX computing solutions with the latest generation of **Intel® Xeon® Scalable Processors** include:

<p><b>Performance</b></p> <ul style="list-style-type: none"> <li><b>Per-Core Performance</b> (Instructions Per Cycle) vs. prior-gen Intel Xeon Scalable processors</li> <li><b>Overall Performance</b> <ul style="list-style-type: none"> <li>Intel® Mesh Architecture</li> <li>PCIe 3.0 (48 lanes)</li> <li>Up to 3 Intel® UPI (Ultra Path Interconnect) links</li> <li>Optimized Cache Hierarchy (1MB L2 cache/core)</li> <li><b>Higher CPU frequency</b> vs. prior-gen Intel Xeon Scalable processors <ul style="list-style-type: none"> <li><b>Improved Turbo profiles</b> vs. prior-gen Intel Xeon Scalable processors</li> </ul> </li> <li><b>Intel® Deep Learning Boost (VNNI)</b> – for efficient Inference acceleration</li> </ul> </li> <li><b>Intel® Optane™ DC persistent memory module (Apache Pass)</b> support – on some SKUs</li> <li><b>Increased DDR4 Memory Speed &amp; Capacity</b> <ul style="list-style-type: none"> <li><b>Up to 2933MHz</b> (1 DIMM per channel on some SKUs)</li> <li><b>16Gb based DIMM</b> supported</li> </ul> </li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li><b>Intel® Security Libraries for Data Center (Secl)</b> <ul style="list-style-type: none"> <li>Platform attestation and data sovereignty via Intel® Trusted Execution Tech (TXT)</li> </ul> </li> <li><b>Intel® Threat Detection Technology (TDT)</b></li> </ul> <p><b>AGILE Services Delivery</b></p> <ul style="list-style-type: none"> <li><b>Intel® Infrastructure Management Technologies (IMT)</b> <ul style="list-style-type: none"> <li>Enhanced Intel® Resource Director Technology (Intel® RDT)</li> </ul> </li> <li><b>Application Device Queues (ADQ)</b> on Intel® Ethernet adapters</li> <li><b>Intel® Speed Select Technology (SST)</b> <ul style="list-style-type: none"> <li>Speed Select SKUs (Y-suffix)</li> <li>Configurable Network Optimized CPUs/NFVi (N-suffix)</li> </ul> </li> </ul>
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**Applications for AMAX Computing Solutions with Intel® Xeon® Processor Scalable Family:**

<ul style="list-style-type: none"> <li>High Performance Computing</li> <li>Datacenter</li> <li>Enterprise Computing</li> <li>Security Appliances</li> <li>Storage</li> </ul>	<ul style="list-style-type: none"> <li>Private Cloud / Public Cloud (Saas)</li> <li>Telecommunications</li> <li>Networking/SDN</li> <li>Deep Learning / Machine Learning / Artificial Intelligence</li> </ul>
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Model #	System Description	Form Factor	# of CPU	# of GPU
XP-120	1U 12x 2.5" DP Xeon Storage Server	1U	2	
XP-120A-NV (2.5"), XP-120B (3.5")	1U 4x 3.5" / 8x 2.5" DP Xeon Storage Server	1U	2	-
XP-120S	1U 12x 3.5" DP Xeon Storage Server	1U	2	-
DL-E140	1U DP Xeon 4x Tesla GPU Server	1U	2	4x Tesla V100
DL-E14T	1U DP Xeon 4x Tesla GPU Server	1U	2	4x Tesla T4
XP-220A-NV (2.5"), XP-220B (3.5")	2U 12x 3.5" / 24x 2.5" Drive DP Xeon Storage Server	2U	2	-
XP-240	2U 4 Processor Xeon Server	2U		-
XP-2400	2U 4x Node 12x 3.5" HDD / 24x 2.5" HDD/SSD Cluster-in-a-Box/hyper-converged storage server	2U	2 per node, 8 Total	-
XP-240L	2U 4-Node DP Xeon Liquid Cooling Server	2U	2 per node, 8 Total	-
DL-E240	2U DP Xeon 4x Tesla GPU Server	2U	2	4x Tesla V100
DL-E24T	2U DP Xeon 4x Tesla GPU Server	2U	2	4x Tesla T4
QR-240	2U DP Xeon 4x Quadro RTX GPU Server	2U	2	4x Quadro RTX
DL-E280	2U DP Xeon 8x Tesla GPU Server	2U	2	8x Tesla V100
DL-E28T	2U DP Xeon 8x Tesla GPU Server	2U	2	8x Tesla T4
S316	3U 16x 3.5" Drive DP Xeon Storage Server	3U	2	-
S424	4U 24x 3.5" Drive DP Xeon Storage Server	4U	2	-
S436	4U 36x 3.5" Drive DP Xeon Storage Server	4U	2	-
DL-E48A	4U DP Xeon 8x Tesla PCIe GPU Server	4U	2	8x Tesla V100
QR-480	4U DP Xeon 8x Quadro RTX GPU Server	4U	2	8x Quadro RTX
DGS-1	4U DP Xeon 8x Tesla SXM2 GPU Server	4U	2	8x Tesla V100
DL-E48G	4U DP Xeon 10x Tesla PCIe GPU Server	4U	2	10x Tesla V100
DL-E410T	4U DP Xeon 10x Tesla GPU Server	2U	2	10x Tesla T4
DSW-2	DP Xeon 2x Quadro RTX GPU Data Science workstation	4U / tower	2	2x Quadro RTX
GT-440	4U-Tower DP Xeon 4x Tesla GPU workstation	4U / tower	2	4x Tesla V100
GT-450	4U-Tower DP Xeon 5x Tesla GPU workstation	4U / tower	2	4x Tesla V100
DL-E1016S	10U 16x Tesla V100 SXM3 GPU Server	10U	2	16x Tesla V100
DL-E420T	4U DP Xeon 20x Tesla GPU Server	2U	2	20x Tesla T4
	ClusterMax™ Apex   CPU-Intensive			
	ClusterMax™ Workgroup   Compact Personal Cluster			
	ClusterMax™ SuperG   GPU-Intensive HPC Cluster			
	[INTELLI]Rack AI   GPU-Intensive HPC Cluster			