All-in-one vRAN Platform in Far Edge
The ES200G2 features an optimized, all-encompassing vRAN platform with four PCIe expansions to boost I/O capabilities. By streamlining the Central Unit (CU) and Distributed Unit (DU) functionalities, this design enhances network applications, providing a unified and high-performance solution for 5G O-RAN needs in far-edge scenarios.

NGC-Ready, NVQual-Certified, Wind River Criteria for Enhanced Performance
The ES200G2, showcasing NVIDIA GPU Cloud (NGC)-Ready and NVQual-Certified capabilities, aligns with the Wind River Certified standard, ensuring excellence in edge computing platforms. These features ensure NGC compatibility, enhance platform reliability, and position the ES200G2 as an ideal, cost-effective solution capable of scaling out to meet OVX architecture applications.

Carrier-grade and NEBS Level 3 Compliant
Built with a robust carrier-grade design, the ES200G2 complies with stringent NEBS Level 3 standards. This ensures unparalleled reliability, durability, and resilience, making it the ultimate choice for edge AI services and communication service providers (CoSPs) where availability is paramount.

AI Inference/Training and Diverse Applications
The ES200G2’s AI Training cluster and edge AI Inference capabilities empower edge computing by leveraging AI acceleration cards and flexible expansions, including the currently deployed NVIDIA L40S Tensor Core GPUs. This versatile feature facilitates high-performance tasks such as Generative AI, large language model (LLM), fine tuning, as well as 3D graphics, rendering, video analytics, and multi-access edge computing in far-edge scenarios.

New 5th Gen Intel Xeon Scalable Processors and Add-on AI Acceleration
Unleash exceptional computing power with the Wiwynn® ES200G2, a short-depth 2U single-socket edge server. Featuring the new 5th Gen Intel Xeon Scalable Processor, it offers the flexibility to add two dual-width GPUs for lightweight training in on-premises data centers. This processor, with enhanced built-in AI acceleration, Intel® Advanced Matrix Extensions (Intel® AMX), faster DDR5 memory, and PCIe Gen5, delivers remarkable performance-per-watt gains across various workloads, ensuring excellent performance and TCO efficiency.

OpenEdge Platform
Wiwynn® ES200G2
The 2U Short-depth Platform for AI Inference/Training and All-in-one vRAN Applications.

www.wiwynn.com
Wiwynn® is a fast-growing cloud infrastructure provider that develops high-density computing and storage products, plus rack solutions for leading data centers.

## Model Name
### ES200G2 Series

<table>
<thead>
<tr>
<th>Hardware</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>2U</td>
</tr>
<tr>
<td>Processor</td>
<td>5th Generation Intel® Xeon® Scalable Processor, Up to 225W TDP</td>
</tr>
<tr>
<td>GPU</td>
<td>Two NVIDIA L40S Tensor Core GPUs</td>
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<tr>
<td>Processor Sockets</td>
<td>One</td>
</tr>
<tr>
<td>Chipsets</td>
<td>• Intel® Emmitsburg PCH C741 • TPM 2.0</td>
</tr>
<tr>
<td>Memory</td>
<td>Eight DDR5-4400/4800 DIMM Slots, up to 128GB each</td>
</tr>
</tbody>
</table>

### Storage and I/O
- **Storage**
  - Two M.2 2280/22110 NVMe SSDs
  - Four U.2 NVMe SSDs
- **Expansion Slots**
  - One OCP3.0 NIC card (10/25/40/50/100/200/400Gbps)
  - Two FHFL dual-slot PCIe Gen5 x16 PCIe expansions
  - One FHHL PCIe Gen5 x16 PCIe expansion
- **Remote Management**
  - IPMI 2.0 Compliant • Redfish® API
- **I/O Ports**
  - Power Button with LED
  - UID Button with LED
  - Reset Button
  - Three USB ports
  - Management port (front side)
  - VGA port
  - COM port

### Physical Specifications
- **Dimensions**
  - 87(H) x 438 (W) x 420 (D) mm
- **Weight**
  - 15kg
- **PSU**
  - 2400 Watts AC to DC power supply
- **Fan**
  - Four 8056 Hot-Plug dual rotor fans, N+1 Redundant

### Environment
- **Operating conditions**
  - NEBS Level 3 compliant (GR-63, GR-1089)
- **EMC**
  - FCC CFR47 15 (class A), CISPR 32 (class A), CISPR 35
  - NEBS Level 3 compliant
- **Safety**
  - IEC 62368-1:2014
  - IEC 62368-1:2018
  - UL 62368-1 3rd Ed
- **Seismic Tolerance**
  - NEBS Level 3 compliant
- **Acoustic Noise**
  - NEBS Level 3 compliant
- **Fire Resistance**
  - NEBS Level 3 compliant