



# OpenEdge Platform

## Wiwynn® ES200G2

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



### 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.

### 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.

### 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 O-VX 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.

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



Model : Wiwynn ES200G2 Series

Model Name

ES200G2



Hardware

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

Storage and I/O

Storage	<ul style="list-style-type: none"> <li>• Two M.2 2280/22110 NVMe SSDs</li> <li>• Four U.2 NVMe SSDs</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>• One OCP3.0 NIC card (10/25/40/50/100/200/400Gbps)</li> <li>• Two FHFL dual-slot PCIe Gen5 x16 PCIe expansions</li> <li>• One FHFL PCIe Gen5 x16 PCIe expansion</li> </ul>
Remote Management	• IPMI 2.0 Compliant • Redfish® API
I/O Ports	<ul style="list-style-type: none"> <li>• Power Button with LED</li> <li>• UID Button with LED</li> <li>• Reset Button</li> <li>• Three USB ports</li> <li>• Management port (front side)</li> <li>• VGA port</li> <li>• COM port</li> </ul>

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	<ul style="list-style-type: none"> <li>• FCC CFR47 15 (class A), CISPR 32 (class A), CISPR 35</li> <li>• NEBS Level 3 compliant</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• IEC 62368-1:2014</li> <li>• IEC 62368-1:2018</li> <li>• UL 62368-1 3rd Ed</li> </ul>
Seismic Tolerance	NEBS Level 3 compliant
Acoustic Noise	NEBS Level 3 compliant
Fire Resistance	NEBS Level 3 compliant



8F, 90, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 22102, Taiwan, R.O.C.  
 Telephone: 886-2-6615-8888 Email: sales@wiwynn.com Local Toll Free: 0800-588-300

Copyright © 2024 by Wiwynn Corporation.  
 All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Wiwynn Corporation.

Disclaimer  
 The information in this document is subject to change without notice.  
 Wiwynn Corporation makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties of merchantability or fitness for any particular purpose.

